

EMORANDUM

PRESSURE COEFFICIENTS AT MACH NUMBERS FROM 0.60 TO 0.85

FOR A SEMISPAN WING WITH NACA 0012-64 SECTION,

20-PERCENT-CHORD PLAIN AILERON,

AND 00 AND 450 SWEEPBACK

By Walter J. Krumm

erenautical Laboratory CLASSIFICATION CANCELL

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

WASHINGTON April 19, 1950

-CONFIDENTIAL--RESTRICTED...

UNCLASSIFIED

UNCLASSITIED

NACA RM A50B13

NATIONAL ADVISORY COMMITTEE FOR AERONAUTICS

RESEARCH MEMORANDUM

PRESSURE COEFFICIENTS AT MACH NUMBERS FROM 0.60 TO 0.85

FOR A SEMISPAN WING WITH NACA OOL2-64 SECTION,

20-PERCENT-CHORD PLAIN AILERON,

AND OO AND 450 SWEEPBACK

By Walter J. Krumm

SUMMARY

Pressure-distribution measurements were made during a lateral—control investigation of a semispan wing with the NACA 0012-64 section and a 20-percent-chord plain aileron. The results are presented as tables of pressure coefficients for Mach numbers from 0.60 to 0.85. No analysis of the results is included.

INTRODUCTION

Measurements were made of the pressure distribution during an investigation of the lateral—control characteristics of a semispan model. These pressure data were reduced to coefficient form and a part were integrated to give the spanwise variation of section normal—force coefficient presented in reference 1.

After the publication of reference 1, requests were received for complete pressure-distribution data for all the test Mach numbers. Therefore, the complete results of the pressure measurements in coefficient form are presented in this report.

SYMBOLS

The coefficients and symbols used in this report are defined as follows:

b semispan of model, feet

TOWN THE PROPERTY OF

- p local static pressure, pounds per square foot
- $\mathbf{p}_{\mathbf{s}}$ free-stream static pressure, pounds per square foot
- q dynamic pressure $\left(\frac{1}{2}\rho V^2\right)$, pounds per square foot
- V velocity of the free air stream, feet per second
- a geometric angle of attack of model, degrees
- δ_a aileron deflection, measured in a plane perpendicular to the hinge line, positive when the trailing edge is deflected downward, degrees
- A sweep angle, between plane perpendicular to plane of symmetry and quarter—chord line, degrees
- ρ mass density of air in the free stream, slugs per cubic foot

DESCRIPTION OF MODEL AND APPARATUS

The model (fig. 1) used for these tests was a semispan wing with the NACA 0012-64 section. For the wing with 0° sweepback, the 0.25-chord line was perpendicular to the air stream. For the 45° sweepback, the model was rotated about the 0.50-root-chord point until the 0.25-chord line was 45° to the air stream. The wing was fitted with a 15-percent-chord, plain, leading-edge, unsealed aileron, which was not deflected for these tests, and with a 20-percent-chord, plain, trailing-edge, unsealed aileron. The trailing-edge aileron extended from 0.561 of the semispan of the unswept wing to the tip and was deflected from 0° to 15°. The principal dimensions of the model are presented in reference 1.

Six chordwise rows of pressure orifices were built into the model, perpendicular to the 0.25-wing-chord line, at 0.178, 0.417, 0.581, 0.724, 0.867, and 0.935 of the semispan of the unswept wing (fig. 2). Each orifice was connected to a tube of a multiple mercury manometer and the manometer readings were recorded photographically.

The tests were made in the Ames 16-foot high-speed wind tunnel.

CORRECTIONS TO DATA

The data were corrected for the blockage of the tunnel air stream by the model (reference 2), but no tunnel—wall corrections have been applied to the angle of attack.

RESULIS

The pressures measured on the wing and on the aileron are presented in tables 1 through 30 in coefficient form. The geometric conditions for each table — angle of sweep, aileron deflection, and angle of attack — are listed in an index preceding the tables. Tables 1 through 15 give the pressure coefficients for the wing with 0° sweep for the various Mach numbers and other conditions listed in the index, while tables 16 through 30 give the pressure coefficients for the wing with 45° sweepback.

Some of these coefficients have been checked for accuracy of the data—reduction process but no complete check has been made. Therefore the data should be considered as unchecked.

Ames Aeronautical Laboratory,
National Advisory Committee for Aeronautics,
Moffett Field, Calif.

REFERENCES

- 1. Anderson, Joseph L., and Krumm, Walter J.: High-speed Aerodynamic Characteristics of a lateral-Control Model. I NACA 0012-64 Section with 20-Percent-Chord Plain Aileron and 0° and 45° Sweep-back. NACA RM A8H12, 1948.
- 2. Herriot, John G.: Blockage Corrections for Three-Dimensional-Flow Closed-Throat Wind Tunnels, with Consideration of the Effects of Compressibility. NACA RM A7B28, 1947.

INDEX OF TABLES

Table number	Sweepback A (deg)	Aileron angle, δ_a (deg)	Angle of attack, α (deg)
1 Q 34 5	0 0 0	0 0 0 0	70470
6 7 8 9 10	0 0 0 0	2. 4 4 4 6	14 ○ 14 -14
11 12 13 14 15	0 0 0 0	6 6 10 10	0 4 7 0 4
16 17 18 19 20	45 45 45 45 45	0 0 2 2	- 4 - -
21 22 23 24 25	45 45 45 45 45	2 4 4 4 6	4 -4 0 4 -4
26 27 28 29 30	45 45 45 45 45	6 6 10 10	0 4 -4 0 4

CONTRACT

TABLE 1.— PRESSURE COEFFICIENTS FOR $\Lambda=0^{\circ}$, $\delta_8=0^{\circ}$, $\alpha=-4^{\circ}$

I			pper syriace							Lower surface	4		
Sta- tion	Per-			ack maker			Ste-	Per- cent chord			ach suber		
<u> </u>	okori. 0	0.600 0.87	0.700	0.800 1.16	0.825	0.850	A		0.600 -1.27 -1.09	-2.15 -2.25	-0.44 	0.825 -0.64	0.850 -0.51 -67
1	7.5	.10	-10	16	.09	99.9		2.5 7.5 10.10 10.0	14000000000000000000000000000000000000	1911 - 1019 - 10			0.51672408888888897140884140888888888888888888888888888888
1	25	-15	-12	- 29 - 31	-18	- 86	1	20 30	-66 -21	- 66 - 60	- 66	89 98	- 81
ļ	30 40 50	85 85	27 27	-34 -41 -42	~25 ~35	-27 -37		50 60	72		- 60 - 69	87 85	83 82
-	60 70	~8		-20	-33	-50		70 80	-30 -38 0	-30 -17	-96 -14	-18	28 07
	90 95	-04	148	.01	178	3.12		l	.11		i		
•	0 1.7 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	.36 .11	•35	11h	.32 .06	.31 .06	*	2.5 7.5 19.12 20.00 20.0	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	33388888883871 1111111111111111111111111	E SE	- (**************************************
	10	~03 	-204	-23	06	-06		15 26	772	-1.09 60	7	- 89	- 79
ľ	22	- 80		7.20	-30 -39	-30		20 20		26		-98 1.02	~90 ~90
İ	50 60 70	-27 -25 -25	-30 -29 -29	50 43 30	~,48 ~53 ~51	-60 -60	1	50 70 80	-78 -78	~43 ~27 ~13	-13 -13	~93 ~35	-30 -31 -04
	60 90 95	1A 04 -05	14 03 06	-11 -05	-15 -01 -10	-57 -09 -06			L		L	.en	1
C	0 25 7 7 15 15 15 15 15 15 15 15 15 15 15 15 15	हेलनहर्नभृत्रभावन्त्रवस्थानकः।भृत्रभृत्रभृत्रक्षक्तनहः।भृत्रभृत्रक्षकःग्रह्न्न्।हेब्द्रभृत्रक्ष्रभ्यम्थ्रकः।।।।। इतिहरूनभृत्रभावन्त्रवस्थानकः।भृत्रभृत्रक्षकः।भृत्रभृत्रक्षकःग्रह्न्न्।हेब्द्रभृत्रभृत्रकः।।।।।।॥विद्रभृत्रवन्	डमन्द्रमान्त्री क्षेत्रमान्त्रकृति । स्वत्रमान्त्री । स्वत्रमान्त्री । स्वत्रमान्त्री । स्वत्रमान्त्र	THE STATE OF THE S	Hasee44808 1044 1046 1046 1046 1046 1046 1046 1046 1046 1046 1046 1046 1046 1046	######################################	c	277998888888888888888888888888888888888	1.86 4.85 1.86 4.85 1.86 1.86 1.86 1.86 1.86 1.86 1.86 1.86	1391346 53865 682	1000 000 000 000 000 000 000 000 000 00	- 732 - 755 - 755 - 757 - 757	# TPETT99 - 88.996
	7.5 10	-05	05	-1.60 -1.90	06	-02 -06		10 15	∽95 17	~87 ~87	- 68 - 70	84 84	-π -∞
-	- 20 30	_13 _20	-25 -23	그끊	26 26	20 30	!	30 40		~67 ~39		89 91	-,86 -,92
ļ	50 57	1 25 1 25 1 25	-30 -37	720	-16 -50	- 50 - 56		20 20 20 20	- 46 - 37	-146 35	76 -36	- 42 - 33	39
	80	-18 -18	-19 -19	-08 -19		- 5		<u>8</u>	06		.02	-16	
	85 95	30 0 1	-10 -03 -06	-06 -06	80 34 09	~50 ~27 ~16					1	_	1
ם מ	2.5	.65 .35	.98 .34 .13	1.13 .07 -,11	.11 -30	1.13 .29 .09	D	1 5 5 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	上75.16.00 1.1	24500 SE24402658	7996 & 70 - 10 8 8 9 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	11688 P 9588 98874 98874 9888 P 48888 P	69 67 17 18 18 18 18 18 18 18 18 18 18 18 18 18
	1.5 10	-03 04 21	-04 04	19 25	-06 -26	_03 _08		16 15 20	94 52	~51	-,62 -,50	80 70	-68
	30	1A	-15	-33	-17	-18	· .	30 50	-%	~ફ્ર	81. 83	- 95 - 95	87 91 88
İ	50 57	~89 ~27	- 30 - 28	52 39	- 48 - 50	-53 -37	1	2	-36 -36	- 34	~58 ~23	-36	-39 -30
	82	- 22 - 22	-32	3	- 12g	70	}	60 85	-15 -09	-33	03		-24
	0 2 7 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-,05 -,05 -,04		-04 -04 -04	-36 -36				ود.°	.04 .12	.15	06	18
	0 2.5 5	==	· ==	==	E	==	I	25 5 15 15 15 15 15 15 15 15 15 15 15 15	== .	Hasebesses		11	
ļ	7.5 10	==	==	==	 ==	==		15	11188228289559		==	==	==
-	क्ष शु.5	==	==] ==	1 = =	==		1 35 25 25	50 50	63 54	67 66	~.60 ~.60	- 67 - 12
	50 60	~21 ~21	32 32	-39 -35 -37	~35 ~55 ~50	-34 -32 -35		60 70	-38 -29	- 40 - 30	2	50 24	- 74 - 29
ļ	8तव	25 20 14	~.26 ~.22	-26 -20 -12	\$2 \$6	- 60 - 54 - 26		17 80 85	20 10 07	- 21 - 19 - 05	-36 -36	-05 -03	-23 -16 -09
	85 90 95	10 03	788		01	16 06		l			1	.02	l .
7	883888865 ₃ u _p o 8888388848865 ₃ u _p o 1	-77 -53	्रिश्रदेशम्यहर्मस्थित्वत्रम्थक्ष्मम्थक्ष्रम्थक्ष्रम्	.59 .38 .66 -110 -23 -36 -125 -35 -125 -35 -125 -35 -125 -35 -125 -35 -125 -35 -125 -35 -125 -35 -125 -125 -125 -125 -125 -125 -125 -12	.94 .53 .90	288444884848888884846446888888888888888	7	2.5 7.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	33885588888888	11111111111111111111111111111111111111	08444 0877 0877 0877 0877 0877 0877 0877	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	THE SECOND CONTRACTOR
	7.5 10	-03 04	-05	-11	-05 -05	.63 .02 .02		10 25	-61 -76	~67 ~69 ~89	-34 -30		729 725
	80 30	-15	13	-27 -36	- 18 - 30	-17 -30		30	(S)	~ 58 ~ 73	57 69	729	-70 -72
}	90 90 60		~30 ~31 ~31	- 15 - 35	7.75	湯	1	86 PC	-33 -23	- 35 - 35 - 25	-37 -37 -20	- 50 - 50 - 30	-82
	00 00 90	25 04 06	~25 ~07	25	- 05 - 05	-08 -08		80 90	~03 ~03	04 04	.06 .06	~02	702





TABLE 2.— PRESSURE COEFFICIENTS FOR $\Lambda = 0^{\circ}$, $\delta_a = 0^{\circ}$, $\alpha = 0^{\circ}$

			pper surface							Lower marfa			
Sta- tion	Per-		Mac		1 - 0		Sta- tion	Per- cent chord			ick number	Y	
A	0 2.5 5.5 7.5 10 15 20 30 40 60 70 60 70	0.600 1.08 1.36 1.35 1.35 1.35 1.35 1.35 1.39 1.39 1.30 1.30 1.30 1.30 1.30 1.30 1.30 1.30	0.700 1.13 1.38 1.38 1.38 1.38 1.38 1.38 1.38	0.800 1.17 -19 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	0.825 1.18 -135 -359 -539 -59 -59 -59 -59 -59 -59 -59 -59 -59 -5	0.850 1.80 -140 -33 -33 -37 -52 -52 -52 -59 -16	Ā	2.5 7.5 10 10 10 10 10 10 10 10 10 10 10 10 10	0.600 -0.25 -0.35	0.700 -0.22 -3% -30 -30 -30 -39 -37 -37 -37 -37 -37 -37 -37 -37	0.800 -0.10 -26 -38 -38 -38 -39 -39 -39 -39 -30 -30 -30 -30 -30 -30 -30 -30 -30 -30	0.825 -0.10 -335 -337 -385 -395 -395 -396 -396 -396 -396 -396 -396 -396 -396	0.690 -0.09 -37 -38 -38 -37 -38 -37 -39 -30 -30 -30 -30 -30 -31 -30 -30 -31 -31 -31 -31 -32 -31 -32 -31 -32 -32 -32 -32 -32 -32 -32 -32 -32 -32
В	2.5 57.5 10.5 20.30 30.6 60.6 80.95	1.08 0.08 1.08 1.08 1.08 1.08 1.08 1.08	11.12 1.12 1.54 1.47 1.47 1.48 1.48 1.48 1.48 1.37 1.16 1.00 1.12	1.16 -17 -38 -38 -57 -57 -57 -54 -33 -25 -13 -09	1.17 -15 -33 -34 -16 -57 -68 -68 -68 -68 -05 -05	1.19 -1.33 -1.33 -1.75 -	1	2-5 7-5 7-5 15 20 20 20 20 20 20 20 20 20 20 20 20 20		- 39 2 44 44 7 44 7 44 7 44 7 4 7 4 7 4 7 4	12 133 145 145 145 145 145 145 145 145 145 145	-18 -37 -38 -39 -51 -51 -52 -57 -15 -15 -15 -15 -15 -15 -15 -15 -15 -15	1974-1986-1994-1996-1996
C	0 2.5 7 1.5 10 12 20 20 20 20 20 20 20 20 20 20 20 20 20	1.09 - 148 - 147 - 143 -	1.548 1.598 1.446 1.376 251.68 1.11	1.12 - 1.39 - 1.39 - 1.39 - 1.32 - 1.		1.00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	c	2.5 7.3 103 200 300 300 507 607 808 808 808 808 808 808 808 808 808 8	786 -146 -148 -148 -159 -377 -377 -38 -108 0	123 175 145 143 133 133 133 133 133 133 133 133 133	-12 -34 -47 -44 -21 -2 -36 -48 -44 -33 -01 -08	-06 -27 -39 -38 -47 -59 -60 -63 -36 -30	68 143 144 145 146 146 146 146 146 146 146 146 146 146
D	0 2.7 7.5 125 20 40 20 27 675 885 995	686825457859, 996478866 98866 97777777778868 98865488 18866686 177777777788 9885488 1886686 1777777778 1886868 18866868 18766778 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 18766868 187668 18	1356	LIPPOLATATA POR MATARA PRESENTATOR CONTROL AND MATERIAL SPECIAL	1.12 -29 -33 -32 -47 -46 -71 -66 -72 -68 -41 -17 -04 -09	19945-1985-1985-1994-1995-1995-1995-1995-1995-1995-199	9	2.5 7-5 100 200 300 507 66 77 66 77 66 75	0.000000000000000000000000000000000000	-27 -37 -43 -43 -35 -35 -35 -37 -09 -03 -30 -30 -30 -30 -30 -30 -30 -30 -30	-17 -30 -39 -39 -4 -70 -14 -70 -14 -70 -70 -70 -70 -70 -70 -70 -70 -70 -70	- 06 - 28 - 38 - 38 - 38 - 35 - 35 - 35 - 35 - 35 - 35 - 35 - 35	
	o an t 4 12 8 52 52 52 52 50 50 50 50 50 50 50 50 50 50 50 50 50	-100 -100 -100 -100 -100 -100 -100 -100	######################################				3	2.5 5 7 - 2 30 5 20 7 - 5 30 5 60 70 7 80 50 90 95		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		£\$\$\$\$\$\$\$\$\$!!!!!!!
,	0 2.5 7.9 128 34 288 288 288 288 288 288 288 288 288 28	.94 .06 .24 .39 .37 .38 .38 .38 .38 .38	.99 .10 .28 .39 .39 .39 .39 .39 .39 .39 .39	.99 .17 -18 -38 -39 -30 -40 -30 -49 -34 -35 -35 -35 -35 -35 -35 -35 -35 -35 -35	L01 .20 -17 -29 -35 -37 -36 -37 -58 -58 -15 -22 .01	1.10 - 20 - 20 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 3	Y	2.5 7.5 10 15 30 50 60 79 80	9999439994499 	888688888888888888888888888888888888888	734473579434800 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-25 -25 -23 -24 -25 -25 -25 -25 -25 -25 -25 -25 -25 -25	14812277288888 1111111111100

TABLE 3.- PRESSURE COEFFICIENTS FOR $\Lambda\!=\!\!0^{\circ},~\delta_{\mathbf{a}}\!=\!\!0^{\circ},~\alpha\!=\!\!4^{\circ}$

			Upper surf				T .			Lower sur	face		
Sta- tion	Per- eent chord		Mac				Sta- tion	Per-			ch number		
A		0.600 0.74 -1.433 -1.45	0.700 0.88 -1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	0.80 1 68% 1 78% 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	数 2.055mmを数の可数数数:利当を 2.15/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	0.850 1.11 1.19 1.88 1.86 1.98 1.88 1.88 1.88 1.86 1.86 1.86 1.86 1.8	A	2.5 7.5 10.15 20.39 40.50 60.70 80.99	0.60 0.39 .18 .19 .65 .115 .18 .18 .18 .18 .18 .18 .18 .18 .18 .18	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.800 0.34 .14 .05 .05 .03 .14 .23 .23 .29 .29 .29	0.85 0.35 0.35 0.35 0.35 0.35 0.35 0.35 0.3	0.50 0.39 0.39 0.39 0.39 0.39 0.39 0.39 0.3
3	97 0 2.5 5 7.5 10 10 10 10 10 10 10 10 10 10 10 10 10	58 -1.39 -1.39 -7.86 -7.	ने स्वह्नस्य । इ ब्लुइस्क्रिय्टन नेनेनेने । ने १९९९ १९९	9 \$288 588 588 59	1 85886 SKEEREET?	982888 8888 84987		2.5 5.7 7.5 10.5 30.5 50.5 70.5 80.5 92.95	7,7588,645,758,868,186,186,186,186,186,186,186,186,18	सम्बद्धाः विश्वस्थाः विश्वस्थाः विश्वस्थाः विश्वस्थाः	5.14689455556 6.145555556 6.1555555 6.155555 6.1555 6.1555 6.1555 6.1555 6.1555 6.1555 6.1555 6.1555 6.1555 6.1555 6.1555 6.1555 6.155	ភូភិទូខូនក្នុងក្នុងក្នុងក្នុងក្នុងក្នុងក្នុងក្នុ	32.06 131.06 131.09 139.08 139
С	0 2.5 7.5 7.5 10 10 10 10 10 10 10 10 10 10 10 10 10 1	6 8589471111111144 8 8 8 8 8 4 4 8 8 8 8 8 8 8 8 8 8 8 8		111111111111111111111111111111111111111	111111111111111111111111111111111111111	コストの 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C	2.5 5.7 10.5 20.0 20.0 20.0 20.0 20.0 20.0 20.0 2	इन्न् । नृत्युष्ट्रया । हि. इ	988 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	.00 -06 -12 -26 -13 -15 -13 -13 -13	**************************************	.35 .04 .05 .29 .29 .29 .29 .29 .29 .29 .20 .20 .20 .20 .20 .20 .20 .20 .20 .20
g.	0 15 7 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	6 8488-14111111111111111111111111 6 848818 86818 888818 888818 888818 888818 888818 888818 888818 888818 88888	8 858855991764444 8 858855991764444 8 8588559917644444444444444444444444444444444444	2 848734388 F8844845	TO THE PARTY OF TH	1/11/11/11/14 31/14/11/14/14/14/14/14/14/14/14/14/14/14	3	2.7 7.5 7.0 150 200 200 200 200 200 200 200 200 200 2	\$885 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F16669 WF218864988	886444444 1 1 1 1 1 1 1 1	21, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	32 -03 -06 -1 - 59 -78 -78 -78 -78 -78 -78 -78
1	0 25 7 25 20 35 20	868485481)	388448484848484848484848484848484848484	108894 11111111111111111111111111111111111			-	2.5 7.5 199 20 5 20 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	111111111111111111111111111111111111111		111111111111111111111111111111111111111		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
7	0 2.5 7.5 10 30 30 40 60 760 90	8 5000000000000000000000000000000000000	2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	**************************************	2000年本本の日本に 1000年代 100	7	2-7 7-7 19-19-19-19-19-19-19-19-19-19-19-19-19-1	53 175 58 58 78 78 78 78 78 78 78 78 78 78 78	**************************************	53.48 6.68 6.48 8.47 6.88 6.48 8.48 6.48 8.48 6.48 8.48 6.48 6	१९८८ १९८८ १९८८ १९८८ १९८८ १९८८ १९८८ १९८	50 50 50 50 50 50 50 50 50 50 50 50 50 5





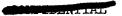


TABLE 4.— PRESSURE COEFFICIENTS FOR $\Lambda=0^{\circ}$, $\delta_{\alpha}=2^{\circ}$, $\alpha=-4^{\circ}$

	_									· · · · · · · ·			
8ta-	Per-	1	Upper su	nface oh number			Sta-	Per-	T	Lower surface	ah number		——
tion	cent	0,600	0.700	0.500	0.825	0.850	tion	oant chord	0.600	0.780	0.800	0.825	0.850
		0.539.989.9888.1695.588.958.1988.889.958. 1977 1977 1988.889.958.1988.899.958.				1.17 .31 .08 .09 .06 .715 .719 .736 .745 .750 .789	•	2.5 7.5 10 15 20 30 40 70 60 70 80 90 90	11.00 H& H& H& H& H& H& H& H& H& H& H& H& H&	1.12 1.13 1.13 1.13 1.13 1.13 1.13 1.13	5350 1111115 5350 11111115 5350 1111115	SULL COLLEGE	See Essential Section 1998
3	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	୫% ୫ ବ ଟ ୬ ଖ୍ୟ ଜ୍ୟ ଜ୍ୟ ଜ୍ୟ	89.350 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	수위등 55 (유명보고 위도구워수) 그	14.588.8882588187 1	19688 148288 PRS5	3	2.5 7.5 10 15 20 50 50 60 76 90	1.10 1.10 1.00 1.00 1.00 1.00 1.00 1.00	######################################	111111111111111111111111111111111111111	((((((((((()()()()()()()()()()()()()()	1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
a	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	35,000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	१९८८ मान्यक्षेत्रकः । क्षेत्रकः । महस्य महस्य । इत्राधिकः । स्वाधिकः । स्वाधिकः । स्वाधिकः । स्वाधिकः । स्वाधिक इत्राधिकः । स्वाधिकः	1888847848 184588 1838485884 HISSE 188848588 HITELE LITELE 1888485 HITELE 198885414489	151 - 151 -	G .	25 75 15 12 12 12 12 12 12 12 12 12 12 12 12 12	58811111111111111111111111111111111111	69811211114444 6981253	85811411441) 8581185895	11111111111 9ee1	がないでなったののよう! 一名をひ	
D	0 2.5 5 7.5	-05	इ.स.स.स.स.स.स.स.स.स.स.स.स.स.स.स.स.स.स.स	नसंस्कृत्य । अधिकत्वस्य स्टब्स	1.13 29.007 6.15 1.007 6	125 128 128 128 128 128 128 128 128 128 128	מ	25 - 149 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Edesperator Spera	\$688688814444444444444444444444444444444	リンプリンプリンプリー リンプリンプリング	かのででの「他の動材を経過ない」
R	19 19 29 29 29 29 29 29 29 29 29 29 29 29 29	्रा स्थापन के त्या के स्थापन के त्या के स्थापन के त्या के स्थापन के त्या के स्थापन के स्यापन के स्थापन के	11111111111111111111111111111111111111	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII			3	2.5 57.5 105 207.5 20 27.5 20 27.5 20 27.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 5 5 8 8 8 8 5 5 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
7	68388888888888888888888888888888888888	5682 5328848858	5844 577688484848 61111111	248884488848 24888844888488888888888888	945345454545	527 8498988888 FFFFFFFFF	7	*5 *5 *5 *5 *5 *5 *5 *5 *5 *5 *5 *5 *5 *	888835354388 (1111111116)	898888888888888	1085 108 10 10 10 10 10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	は行の労婦の口の意義ののの





Table 5.- pressure coefficients for $~\Lambda \text{=-0}^{\circ},~\delta_{\alpha}\text{=-2}^{\circ},~\alpha \text{=-0}^{\circ}$.

	· ·		pper surface				T			Lower surfac			
Sto- tion	For- cent chard	0.600	9.700	0.800	0.865	0-890	Sta- tion	Per- cent chard	Q_6QQ	6.700	0.800	0.825	
							^	2.5 5 7-5					0,850 -0.08 24 32 37
	15 80 30	- 47 - 45 - 43 - 39 - 40	48 48 45 42 43	- 43 - 49 - 49 - 50	(2) (3) (3) (3) (3)	35 50 51 51		15 20 30 40	- 36 - 36 - 37 - 35	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	- 49 - 46 - 50 - 46	51 45 58 61	46 45 45 53
	50 60 70 80	36 30 17 03	-10 -31 -17	- 54 - 34 - 16	-,60 	29 14 08 08		2012 2012 2012 2012 2012 2012 2012 2012	\$45888888888888888888888888888888888888	58585485485488888888888888888888888888	######################################	54 84 85886 88968 6111111111111	0.08
3	95 0 2.5 5 7.5	.06 1.08 36 52 46	11 1,18 -35 -35 -49	1.17 17 35 39	1.19 16 43 38	.18 1.19 17 36 31	3	•					
	10 15 20 30	46 46 42	- 58 - 58 - 45 - 45	43 57 60 63	-#3 60 65 70	34 		15 20 30 80	1 2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	- 45 - 45 - 45 - 39	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	- 53 - 33 - 48 - 67 - 72	-,46 -,48 -,73 -,40 -,66
	888888		- 43 - 38 - 34 - 17	63 45 27 10 .06	- 17 - 19 - 06 - 06			2-5 5 7-5 10 15 20 30 50 60 70 80 90	H	11111111111111111111111111111111111111	-\frac{1}{2}	(~ 10 - 35 - 36 - 48 - 73 - 66 - 75 - 66 - 76 - 76
С	0 2.5 5 7.5 10	1.05 30 45 45	1.13 - 32 - 45 - 46	1.16 83 43 41 47	1.19	1.19 11 32 30 37	c	2.5 5 7.5 10 15	49 39 49 42	- 40 - 47 - 45 - 51	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	二井の紀の	07 26 36 36 49
	Parer	1))) (() () () () () () () (- 43 - 45 - 47 - 45	54 62 67 67	7.60 - 61 - 73	41 56 64 70		20 30 40 50	39 37 35	- 142 - 136 - 36	- 59 - 59 - 59 - 46	56 66 45	58 68 65 74
	X8 1788 85 88	8558435	8 5 9 4 5 8	57 .02 19 18 04	03 19 11	- 65 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12		2.5 5 7.5 10 10 10 10 10 10 10 10 10 10 10 10 10	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	588 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	11	07 26 36 36 58 58 65 76 16
ď	95 0 2.5 5 7-5	1.09 39 37 36	1.13 35 46 47	1.13 25 42 43	1.17 19 37 38	.06 1.17 18 32 33	D						
	958	-47 -43 -43 43	- 49 - 47 - 47	-,52 -,56 -,68	145 E	- 47 - 47 - 47 - 68		15 20 30 40 50	-33 -36 -35 -33		-32 -49 -52 -53	64 69 69	26 79 62 68
	e 2 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1.09 1.39 1.46 1.47 1.43 1.43 1.43 1.43 1.43 1.43 1.43 1.43	10000000000000000000000000000000000000	4428486444844484448444484448444844484444444	342834444 644	98998888888888888888888888888888888888		2.5 7.95 8.95 8.76 7.85 8.55		1688 1888888888888888888888888888888888	99958,2882986689 (('''''''''''''''''''''''''''''''''''	######################################	1222 - 12
1	90 97				.15	01 04	3				i		
	7.5	== '	==	== -	==	== .		7-5 10 15	==	11113	==		==
	27.5 27.5 20.60	- 40 - 40 - 36	143 148 136	88.4 1.4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1980		35 50 60 70	133440	1 35 1 37 1 38 1 38		7.27 7.60 7.45 7.86	- 239
	186 48 GA	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 36 - 36 - 22 - 11 - 01	1 1 1 2 2 2 2	145 145 145 145 145 145 145 145 145 145	- 1 2 5 4 5 - 1 2 5 4 5		257-255 7-258458885888	ា		100		
7	0 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	11111111111111111111111111111111111111	, 1 8, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1.60 -15 -19 -36	Street by Street of the street	1.01	7	2.5 7.5 10	.06 -,34 -,27 -,28	.10 7.35 7.85 7.89	15 33 27 30	1111	.20 25 22 25
	15 20 30 40 50	7.35 7.36 7.36 7.37	F 99 4 4 9 1 1 4 9 1 1 1 1	(4) 44 75 75 75 75 75 75 75 75 75 75 75 75 75	- Au	1.88888		2.5 5.5 10 15 20 20 20 20 20 20 20 20 20 20 20 20 20	.0545883345835486855 	1111111111 20088888888888888888888888888		11111111111111111111111111111111111111	.20 25 25 34 39 39 39 36 36
	60 70 80 90	- 32 - 27 - 12 - 01	-34 -29 -13 0	1887 d	- 48 - 47 - 05	- 66 - 31 - 68		70 80 90	96 02 01	21 03 03	02 02 01	21 01 01	-, 26 01. 0



TABLE 6.— PRESSURE COEFFICIENTS FOR $\Lambda=0^{\circ}$, $\delta_{\alpha}=2^{\circ}$, $\alpha=4^{\circ}$

			Urper	surface			11			Lower	surface		
Sta-	Per-			ch master			Bta-	Per-	Τ		ach number		
sta- tion	cent chară	0.600	0.700	0.800	0.825	0.850	tion	cent chord	0.600	0.700	0.800	0.825	o.800
٨	0 2.5 5 1.5 10 15 20 30 50 60 60 90 95	6 8 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	0.87 -1.10 -1.14 -1.38 -1.60 -50 -57 -50 -33 -15 -03	1.15 99 98 -1.03 -1.04 99 19 20 19 20 19 20 19	1.08 -58 -58 -59 -59 -59 -59 -59 -59 -59 -59	1.146 -7.750 -7.	٨	2.5 7.5 105 80 340 50 60 70 80 90 90	0.40 .18 .08 .19 -05 -10 -17 -20 -23 -20 -03	0.39 .08 .06 .06 .09 .08 .08 .08 .08 .08 .08 .08 .08	**************************************	0.34 0.35 0.30 0.34 0.34 0.34 0.34 0.34 0.34 0.34	0.33 .75 .03 .03 .77 .73 .74 .75 .74 .75 .75 .75 .75 .75 .75 .75 .75 .75 .75
В	0 0 5 7 5 7 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8	**************************************	1444 - 4 () () () () () ()	899489-14-1-1-1999 	1.95 -1.95 -1.00 -1.00 -1.05 -	69888 (59883776) 1 (() () () () () ()	3	2.5 7.5 7.5 7.5 7.5 7.5 88 88 88 88 88 88 88 88 88 88 88 88 88	250 200 200 200 200 200 200 200 200 200	କୃଷ୍ୟ ଅନ୍ତର୍ଜ୍ଞ ଅନ୍ତର୍ଜ୍ଞ ମ ଜଣ ଅନ୍ତର୍ଜ୍ଞ ଅନ୍ତର୍ଜ୍ଞ ମ	34484444444 344844444444	#756758%#K8 19	- 34 - 34 - 39 - 39 - 35 - 35 - 30 - 36 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 30
С	oen-218926668880000000000000000000000000000000			11110114 185382 PREST	1.058679.579.88.0 1.058679.05869.1568688.1568688.1568688.1568688.1568688.1568688.1568688.1568688.1568688.1568688.1568688.1568688.1568688.1568688.15686888.1568688.1568688.1568688.1568688.1568688.15686888.1568688.1568688.1568688.15686888.15686888.15686888.15686888.156868888888888	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	o.	**************************************	. १५ १५ १५ १५ १५ १५ १५ १५ १५ १५ १५ १५ १५	411.09 00 00 00 00 00 00 00 00 00 00 00 00 0	34482 14448 1448	19869 BARRY 1998	.55 .04 .06
Þ	3888383883855	5133525 18842881 8	######################################	न्द्रहरूष्ट्रहरू । ह्रम्यस्य अक्षत्रहरू । कृष्ट्रम्यस्य । ह्रम्यस्य । अष्ट्रहरू । कृष्ट्रम्यस्य । व्याप्तम्यस्य निर्देशस्य । विष्युत्तम्यस्य । विष्युत्तम्यस्य । विष्युत्तम्यस्य । विष्युत्तम्यस्य । विष्युत्तम्यस्य । विष्युत्तम्यस्य	36488858-862448344 166666-66666	879978378888888888888888888888888888888	מ	2.5 7.5 130 200 200 200 200 200 200 200 200 200 2	3825 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.15 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**************************************	37488718787287498 	354 88 845 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
r	0 45 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	20111111111111.	88988888888888888888888888888888888888	Lekasararaka raadeara	28 \$568744548 \$884828 \$11111111111111111111111111111111111	11111111111111111111111111111111111111	X	2.7 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।	\$888668888611111	888848488-1111 888848488-1111	88888888888888888888888888888888888888	111111111111111111111111111111111111111
	0 95 5 5 15 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	58888888888888888888888888888888888888	PRESENTED 11111.		6888883111111.	878997837975 8789978379558	x	2.7 7.5 10 15 20 30 40 50 60 70	2288888858 11111111111111111111111111111	**************************************	98885888888888888888888888888888888888	0)	5.460052888529d



Table 7.- pressure coefficients for $\Lambda \text{=-0}^{\circ},~\delta_{\mathbf{a}}\text{=-4}^{\circ},~\alpha\text{=--4}^{\circ}$

		U	pper surface				1			Lover m	giace		
Sta-	Per-			ach number			Sta-	Por-			linch surface		
tion A	2.5 7.5 120 120 30 40 50 60 90 95	ଞ୍ଜିମିଷ ସ୍ତମ୍ୟର ହେ । ଅନ୍ତର ଅନୟ ପ୍ତ । ନ୍ୟାରଷ ଅଧାନ୍ତ ହାରମ୍ୟ ବ୍ୟ । ମଧ୍ୟ ନ୍ୟ ଅଧ୍ୟ ନ୍ୟ ଦ୍ର । ଅଧ୍ୟ ନ୍ୟ ଅଧ୍ୟ । ଅନ୍ୟ ନ	0.700 0.97 .33	944-548-588-488-588-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	해고의학생동구의학생동: 미끄럽의 축의행당당: 육행유도당오의 의 의리크숙한: 계속의로구당당의리본 크리의당역학계: 152학당의 구등당	26.28478864193888 1 1 1 1 1 1 1 1 1	tion A	2.5 7.5 10 15 20 30 40 50 60 70 80 95	0,600 -1.24 -1.07 92 83 70 53 75 20 30 30 30	0,700 -1.27 -1.29 -1.21	0,800 -0.72 80 80	0,825 -0.64 76 79	0,850 -0.55 70 75
	7.5 10 15	05 13	.02 05 13	.03 04 12	.08 05 14	.02 06 15		10 15 20	63 70 63	**************************************	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	\$	ウー・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
	20 30 40	16 20 25	17 22 25	-16 -22 -29	18 25 34	19 86 36		90 40 50	- 50 - 50 - 55	61 54 48	92 79 72	- 91 - 84	- 85 - 84 - 83
	& 10	-27 -25	-,29 	~31 ~27	-39	-,45 		60 70 80	30 18	25 30 38	-,21 -,23 -,19	-,17 -,19	69 27 68
В	90 95	09 .05	04	.13	.01 .18	17 -01 -18		·	.10				
•	2.5 5 7.5	.94 .08	.05 .06	1.13 .10	1.14 .33 .08	.32 .06	3	2.5 57-5 12 122 300 200 800 95	4.150.66 76 76 75 74 85 11 - 15	4444 (
	10 15 20	05 17	-05 -19	03 19	05 20	06 82		15 20 30	76 67 60	-,96 -,68 -,68	97 96 -1.00	88 89 93	-83 -84 -89
į	80 80 80	22 27 29	25 30 33	26 30 38	28 38 47	- 29 - 20 - 20		50 60	41 41	- 59 - 50 - 45	-1.65 -1.65 45	97 -1.01 85	93 98 -1.00
	80 80 80	- 26 - 26 - 14	32 31	-3# -3# -38	- 19 - 19 - 19	- 49		86 90	11 11	189 18	18 2	26 .19	-16 -10
c	e 2 5 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	.05	8854488 4548 4884 4844	1.10	1,12	1.15	0	l	:				
	7.5 10	.01 07	- 65 11 65	.09 .08 07	- 04 - 17:	, 1.05 05		2.5 57-5 10 120 20 20 50 50 50 50 50 50 50 50 50 50 50 50 50	119686-19889-1-1888	नेनीने । । । । । । । । । । । । । । । । । । ।	488115111111111111111111111111111111111	R4P4P : 55P248 : 1955	
	15 20 30	- 15 - 22	17 22	- 1\h - 26	16 27	17 27		20 30 40	-61 -53	- 65 - 56	-1.01 -1.04	91 95	85 89
	4 S. E.	- 26 - 30 - 29	89 33 30	-,39 -,34 -,30	-,19 -,14 -,23	-,41 -,46 -,52		50 51 66	-,45 -,42 -,31	47 43 31	90 44 38	71 38 29	8e 12 33
	00 73 80 85	-,26 -,13	- 58 - 45 - 15	-,29 -,5%	53 53	02 76 70		888	-83		05	-10	 21
	95	-05	-88	- 00	11 00	20 1k							
"	2.5 5	10 38	, , , , , , , , , , , , , , , , , , ,	789	.31	73 73 1.14	D	2.5 5 7.5 10 120 240 50 786 786 786 786 787 885 985	91557 5529814559	11111111111111111111111111111111111111	4884144444		(
	10 15 90	- 05 - 21 - 16	- 64 - 21 - 17	- 57 - 36 - 38	04 24 16	-05 -25 -15		15 20 30	-A9	43 60	70 97	88	65 83
	30 140 50	26 31	~-31 ~-34	-39 -,16	737	37 49		% %	50 12 39	54 45 40	-1.01 89 43	92 73 36	85 83 42
	56 57 57	- 36 - 36	7.30 7.30	~.56 ~.36	-,48 -,57 -,52			8 P.88	- 20 - 10 - 10	29 18	16 33	26 18 14	31 86 33
1	0 2 5 7 19 19 30 2 5 16 75 85 95	- 65	15 02	- 14 - 66 - 66	-,40 -,47 -,67	- 19 - 15 - 13		90 95	.05	.05	- 45	69 69	18 14
*	0 2.5 5	==	==	==	==	==	3	2.5 5 7.5	==	==	==	==	==
	7.5 10 15	==	==	==	===	==		10 15 20	==	==	==	==	==
	20 27.5 35	 -25	 -27	 30	-34	 3h		27.5 20 20	39	- 59 - 50 - 52	89 74 72	93 81 90	89 17 85
]	78 78 78	-32 -32 -33	-35 -35 -35	40 40 36	-,92 -,32 -,49	-59 -60 -71		8217	13 33	34 22 13	30 17 08	20 12	13 30 23
ĺ	0 25 7.5 25 8 25 8 25 8 25 8 25 8 25 8 25 8 25	- 36 - 36 - 18	37 16	-,20 -,27 -,08	- 39 - 39 - 39	-,60 -,25 -,13 -,67		2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	85 668844 844 85 668	11111188848788		। । । । । । । । । । । । । । । । । । ।	89E18888
2	95		.10 .85	.12	Kenderkeren Beckerber	01 .98	7						
	04 2 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	-'8 -'8	05	.05 03	- 6 38 38 38	ેલું કુલ - હ		2.5 7.5 10 15 20 30 40 50 60 70 80		14(11111100	98588555585888888888888888888888888888	20 	
	15 20 30	11 15 23	-11 -16 -25	09 1A 26	- 30 - 30	-11 -17 -30	1	20 30 40	- 35 - 49 - 45	59 55 50	70 73 70	70 75 7	65 71 73
	40 50 60	-37 -31 -30	34 33	- 33 - 41 - 37	-35 -32 -30	- 39 - 39 - 39		50 60 70	-35 -29 -15	41 30 18	-13 -26 -14	89 39 16	82 77 26
	80 90	-,23 -,04	25 01	34 21 -05	, 48 &	નું કુ કુ કુ		90	-24	ă	.05	01	.02



TOTAL AT

TABLE 8.- PRESSURE COEFFICIENTS FOR $\Lambda\!\!=\!\!0^{\circ},~\delta_{\mathbf{a}}\!\!=\!\!4^{\circ},~\alpha\!\!=\!\!0^{\circ}$

		· · · · · ·	Upper m	rface					,		surface		
Sta-	cent	0.600		Mach nembe			Sta- tion	Per- cent	<u> </u>		ch master		
A	0	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	0.700	0,80 1124 124 124 125 125 125 125 125 125 125 125 125 125	0,825	0.89 1.18 1.39 1.37 1.33 1.33 1.33 1.33 1.33 1.33 1.33	•	2.5 7.5 10 15 20 30 40 50 60 70 80 90 95	0.600 -0.24 -337 -398 -356 -375 -354 -267 -184 -036 -036	0.700 0.99 0.99 0.98 0.98 0.98 0.98 0.98 0.	8 98522233845769 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.89 0.18 # 95997 # 8899# 617 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
В	0 2.5 5 7.5 10 20 30 00 70 00 90 50 00 2.5 5 7.5		2. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	भुभूत्रम् । १८५८ मानुद्	14	2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3	2.7 7.7 180 180 180 180 180 180 180 180 180 180	24 - 130 - 130 - 130 - 130 - 131 - 124 - 12	11111111111	:	18828246823318	964638846654914 (((((((((((((((((((((((((((((((((((
c	25 26 25 25 25 25 25 25 25 25 25 25 25 25 25		न्त्रभूत्रम् । १९९८ । १९९८ ।	16784 58483848585	1839987777777777777777777777777777777777	54885555555555555555555555555555555555	C	2.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	- 37 - 37 - 37 - 37 - 37 - 37 - 37 - 37	\$281.141.11.11.1 11.11.11.11.11.11.11.11.11.11.	669: 146688146755	68442 888548 1534	5 वर्षे 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
מ	0 2.7 7.3 1.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	99888841 11111111 9888841 4565888	73884.9845766. 33888488.525884 8	erararan erarak erana erarak erena erakaran erakaran erakaran erakaran erakaran erakarak erakarak erakarak erak		9488488 @#E8H466		*57.5 1958998118 pabers	8.999444448	58888 11111111	199 136 136 136 136 136 137 137 137 137 137 137 137 137 137 137	90844.7888319851 ([[[]]]]	19 44 5 5 5 5 6 5 6 6 5 6 6 6 6 6 6 6 6 6
3	0 2 5 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9		11111111111111111111111111111111111111			34444444444444444444444444444444444444	2	2573 2573 2573 2575 2575 2575 2575 2575	11111111111111111111111111111111111111				
7	0 15 15 15 15 15 15 15 15 15 15 15 15 15	35555555555555555555555555555555555555	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1.000 1994 1977 TY 904 FT 108		1.01 -12 -29 -37 -37 -37 -36 -36 -36 -36 -36 -32 -31	,	2.5 57.5 105 130 300 500 500 500 500 500 500	- 51 - 32 - 32 - 31 - 31 - 31 - 31 - 31 - 31 - 31 - 31	- Freezenses	19 188 184 184 184 184 184 184 184 185 185 185 185 185 185 185 185 185 185	19 128 128 138 138 138 138 138 138 138 138 138 13	20 C C C C C C C C C C C C C C C C C C C





TABLE 9.— PRESSURE COEFFICIENTS FOR $\Lambda=0^{\circ}$, $\delta_{e_i}=\iota_i^{\circ}$, $\alpha=\iota_i^{\circ}$

			Upper surfe	c•			П			Lower surfa	ce		
Sta-	Fey-			Mack number			Sta-	Per-			Mack number		
tion.	chord	0.600	0.700	0.800	0.825	0.850	tion.	obord	0.600	0.700	0.500	0.825	0.850
A	0 2.5	0.73	0.86	1.04 64	1.09 53	1.10 49		5 7 9 9 9 9 9 9 8 8 8 8 8 8 8 8 8 8 8 8 8	0.40 .18	0.39 .18	0.37 -17	0.34 -15	0.34 - 1.50 - 1.
	5	-1.32	-2.44 -2.47	92 08	-81	- T		7.5	-06	.08	0.07	.05	.05
	10,0	- 92	-1.40	97	86	- 82		ij	-06	06	-07	~.00	-:10
	26	1 77	7.6	-1.00	92	- ⊒86	.	30	-18	10	-,26	-23	25
	26	61	62 59	-1.01 91	94 86	91 87	li	¥0 50	21	21. 24	24 96	26 32	30 38
	50 60	50	-2	86	87	89		60	25	27 99	29	38	53
	TC TC	_35	_33	24 10	21 06	23 01		.80	ម្ភាគមានសង្ការ ខ្មែន	.06 .06 10 12 27 28 29 29 30 30		598488888997	19
	0 2.5 7.5 25 26 26 26 26 25 25	0-1-1 ((((((((((((((((((88.44.70.00.00.00.00.00.00.00.00.00.00.00.00.	ईवं %%६,८ घुड्ड । इ. १९५ ५ (१) १ (१) १ (१)	ବ୍ୟକ୍ଷର ଅଞ୍ଜଳ । ସ୍ଥର୍ଗ ଧାର୍ଣ୍ଣ ମନ୍ଦ୍ରଣ ମନ୍ଦ୍ର	.01 .27						.13	
B	0 2.5	-56 -1.95 -1.67 -99 19 67 53 14	-76 -1.09	\$5\$\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1.03 -1.88 -1.88 -1.86 -1.90 -1.04 -1.04 -1.04 -1.04 -1.04	1.10 - 17 - 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18	3	2.5 7.5 19.99 20.00 20.0	8 8 8 1 1 1 1 1 1 1	\$ 1 1 1 1 5 5 5 5 5 5	.31 .16	:	.34 .04 .03 .03 .03 .03 .03 .03 .03 .03 .03 .03
	5 T-5 12 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-1.67 96	-1.57 -1.53	-96 -96	86 86	84 84		7.5 10	.04	-05 -08	.06 0.08 1.23 1.29 1.29 1.29 1.29 1.00	03 04	.04 03
	10 15	99	-1.46	90	86	83		15 20	05	06 10	08 18	12 15	11 15
	80 30	67	7.5	-2.09	94 96	90 93		¥6	- 27	-10	23 30	27 3 ⁴	37
	90 50	60 53	60 53	-1.06 -1.07	-1.00 -1.04	~97 ~2.02		50 60	23	25 30	-75	56 56	43 57
	70	AA 35	H4.	82 18	-1.00 40	-1.00 46	, Į	70	19	-19	-25 .03	30	48
	l eo	18	-15	02	06	14	1	90		-09	.10		-11
c	95	# 45888 18885 1688	.1%	1.02	1.07	1.09	 						
-	2.5 5	-1.56 -1.50	-1.32 -1.55	-,67 -,91	⊸60 ⊸85	54 19	1	2.5 5 7.5	GP	न । । । । । । । । । । ।	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11111111111111111111111111111111111111	
	7.5 30	-1.00	-1.51 -1.59	92	86 87	80 81	1	158 354 35 16 18 85 95 158 354 35 16 18 85 95 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	03	06	01	05 19	05 15
	15	772	-7.07			69	1	90 10	13	 16			
	30	-69	68	-99	-95 -185	.ģi	1	150 150	19	- 23	26	7.25	-35
	22	-72	77	63	66	70		20	- 22	27	-35	-:16	49
	<u> 27</u>	-03	= 32	63	3	0C	1	72					
	6 0	-35	~28	19	-,26	-81		85		01	-07	-13	17
	89	-12	09	न्त्रीता । जिल्लाम्या । जन्मी । इस्ट्रेस्ट्रिक्ट व्यवस्था । जन्मी विक्र	~.24 ~.22	95 94 - 67		90 95	.05	.03	00 07	_1k	-15
3	o 2015 19 20 20 20 20 20 20 20 20 20 20 20 20 20	-1.55 -1.55	.0e	3 C C C C C C C C C C C C C C C C C C C	58886; LS882888889 558888 588288; 588288; 58	04.000 \$43.000 \$64.000	D	2.5 5.5 7.0 15 15 15 10 10 10 10 10 10 10 10 10 10 10 10 10	**************************************	\$	-35 -32 -32 -33 -33 -32 -33 -36	32 - 15 - 15 - 15 - 15 - 15 - 15 - 15 - 15	34.0554 - 44.622222222222222222222222222222222222
	5 7-5	-1.52	-1.57	-90	- 85 - 85	78 79		7.5	.10	.07 07	-06	.03	.03
	10	-1.01	-£	- 9	89 09	63 83	1	15		10	-36	-15	-34
	ã	79	~L.06	- 64	89	84	1	26	14	17	20		24
	¥6	~61	-65	-99	-97	93	1	<u>20</u>	-19	-83	- 29	<u> </u>	-16
	ž.	48	7.69	- 15	48	-,48		<u>66</u>	-16	80	- 36	736	-32
	66 15	-33	~32°	35 31	43 39	41 39		3	-03	15	19 -03 0 03	-30	-32
	80 85	37 13	33	25 13	3*	- 35 - 28		95 90	~02	0.06	-03	07 10	10 19
		02	-05	-15 -15	ध्रम् 	-28 28			<u> </u>	.03	~oe		
1	0 2.5	==	==] ==	==	==	3	2.5 7-7 10 20 27 20 27 20 27 20 27 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।	00 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	
	7.5	==	==	==	==			10	==		==	==	== !
	15	==	==	==	==	==		<u>.</u>	==	==	==	==	==
	27.5	==	-==	==	==	==		37.5	12	~20	- 26	~ 50	24 30
	50	- 59 - 50	60 52		90 94	00 93	1	60	22	2% 2%	32 33	42 43	#4 5 0
	60 70	- 45 - 38	44 36	45 27	~.73 ~.31	7* 3*		70 75	17 10	18 10	-18	25 16	39 20
	80	-32 -32	25 27	20 15	24 16	±7 20		80 89	01	0.15	.n.	-,02 -,02	.06 03
	85 90		-16 0	05	06	16 18		90 95	01	02	.05	03	0£ 02
r	o 2 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		1444 1666 1686	3485044388888888888888888888888888888888				ł	l		1 1	1	
	2.5	70 86	-86		~.42 ~.52	19 18		2.5 5 7.5	និង ដូចមិន ២៩១៩ មិន	######################################	.77 .14 .04 .06 .126 .136 .139	\$8.4.5.0.0 \$4.4.5.4.88 \$1.1.6.4.88 \$1.1.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6.6	74 1.19 0.04 1.18 1.39 1.53 1.53
	10	83	~£.00		66 76	02 7 <u>2</u>		25	05	05	06	-0	07
	20	62			_12 _12	70		, 20°	20	-,11. -,22	26	-24	29
	26	27 50	-61	二章	~76 ~75	_; <u>?</u>	1	#0 20	- 25	30	36 39	- 3	39 51
·	20	47 39	\46	85 40	,86 ,80	84 86	1	84888888888888888888888888888888888888	~.25 ~.17	25 17	-33	- 39 - 29	53 23
	70 66	- # - #	- 3 ⁴	20 19	-7p	-33 16		80 . 90	03 03	02	.02	0	.05
	90	03	01	-02	-05	0	1	L	1	L	1		-





TABLE 10.- PRESSURE COEFFICIENTS FOR $\Lambda=0^{\circ}$, $\delta_{a}=6^{\circ}$, $\alpha=-4^{\circ}$

		Up	per surface						Lower surfac	36			
Sta-	Per- cent	<u></u>		h number		•	Bta-	Per-			k number		
tion A	ohord 0 2.5 7-5 10 15 20 30 40 50 60	0.600 0.90 .30 .30 .30 .30 .30 .30 .30 .30 .30 .3	0.700 0.99 .33 .00 .00 .05 .11 .22 .27 .29 .27 .27 .29 04 .06	0.800 1.10 .34 .11 .05 .03 .11 .15 .21 .29 .32 .32	0.825 1.14 -32 -06 -06 -14 -18 -25 -34 -34 -34 -34 -34 -34 -36 -06	0.870 1.15 .31 .08 .01 06 15 26 36 36 35 54	tion A	2.5 7-5 10 20 30 40 50 60 70 60 90	0.600 1.19 1.09 1.80 1.80 1.80 1.90 1.10 1.10 1.10 1.10	0.700 -1.201 -1.201 -1.000 -1.	0.800 PER TO SERVICE TO THE TO	6.00 C C C C C C C C C C C C C C C C C C	8 15 2 28 3 3 8 3 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5
1	0 2.5 5 7.5 10 15 20 60 70 80 95 95 70 2.5 70 15 2.5 70 15 2.5 70 15 70	-11 -03 -92 -32 -36 -06 24 -30 -30 -30 -30 -30 -30 -30 -30 -30 -30		-114 -02 -13 1-07 -34 -09 -04 -04 -19 -21 -34	1.15 .06 .06 .06 .06 .06 .06 .06 .06 .06 .06	.12	3	99 97 17-5 10 20 10 60 70 60 70 99	131 -1.130 -1.55 -1.56 -1.55 -		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1001 67888888888811 1 1 1 1 1 1 1 1 1 1 1 1 1	
a	90 90 95 0 2,5 7,5	.90 .32 .08	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00	1.17 38 13 13 14 1.17 34 12 05	1.13 1.13 1.09 1.09	1.884.58	đ	<u> </u>	i				
D	20 30 50 50 57 66 75 85 90 90	- 67 - 16 - 122 - 29 - 30 - 30 - 30 - 30 - 30 - 30 - 30 - 30	-15 -23 -31 -32 -32 -32 -32 -17 -62 -17	-13 -23 -339 -688 -688 -688 -688 -688 -688 -688 -68	16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 15 - 148 - 150 - 178 - 179 - 179 - 179 - 179		2-5 7-5 10 15 20 30 50 766 780 85 95	1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25	1444 14	17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	14	17-17-17-17-17-17-17-17-17-17-17-17-17-1
	04.5.7.19.20.04.55.76.76.76.76.76.76.76.76.76.76.76.76.76.	.90 .309 .000 .000 .000 .000 .000 .000	\$2.18585 1654248785 1 1 1 1 1 1 1 1 1 1	10 34 11 5 32 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	27.888 178.222 28258 27.18847 18248A88 8	1.30000 222220000 1.300000 1.300000 1.300000 1.300000 1.300000 1.3000000 1.3000000000000000000000000000000000000	L	2.5.7 19.20.00.57.67.65.85 5.7.10.50.00.57.67.65.85	#8##9 , 589959#9565	53822 882354 5568 1117	86885 885818 68	**************************************	7661 P5 - 889 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
35	0 2-5 7-5 10 15 80 27-5 350 60 75 80 90 90 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		25.51 17.50 8.50 2.50 8.50 17.50 17.50 8.50 17.5)	9.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	3	277105 2077105	111111111111111111111111111111111111111	11115993954665	111111111111111111111111111111111111111		
F	50 0 15 15 25 25 25 25 25 25 25 25 25 25 25 25 25	ଞ୍ଚଳକ୍ଷ୍ଟେମ୍ବର ଜ୍ଞାନ୍ତ ଜନ୍ମକ୍ଷ୍ଟେମ୍ବର ଜ୍ଞାନ୍ତ	5 8 8 3 8 8 7 3 8 8 3 8 8 8 8 8 8 8 8 8 8	955198657886578866 118657886578866	3 52.2882288838888888888888888888888888888	982085117993884 	Ī	25 5 5 7 25 25 25 25 25 25 25 25 25 25 25 25 25	1666222222288 16661666668	888848828488 141111111	85875777774566 6177777777666	-17 -18 -18 -18 -17 -18 -13 -13 -13 -13 -13 -13 -13 -13 -13 -13	12 17 47 77 46 60 70 74 E E E



TABLE 11.— PRESSURE COEFFICIENTS FOR $\Lambda=0^{\circ}$, $\delta_{a}=6^{\circ}$, $\alpha=0^{\circ}$

		·	Upper s	erface						Lower	nrface		
Sta- tion	Per-			ach number			Sta- tion	Per-			ok number		
	abord	0.600	0.700	0.800	0.825	0.850	1	chord	0.600	0.700	0.800	0.885	0.850
	0 2.5 7.5 1.5 20 20 20 20 20 20 20 20 20 20 20 20 20 2	1-244985448 - 44657	1589005932 (ST 188508 8934944 16 (C) (C) (C) (C) (C) (C) (C) (C) (C) (C)	1.17 - 1.18 - 1.18 - 1.18 - 1.18 - 1.18 - 1.18 - 1.16 - 1.16	1944478458 8454	1.19 32 33 51 52 52 52 59 50 50 50	•	2.5 5.5 10 15 20 20 20 20 20 20 20 20 20 20 20 20 20	4459999559484945 91111111111111111111111111111111111	-0.17 -0.35	4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	988242988888487 91111111111	
3	950000000000000000000000000000000000000	30000000000000000000000000000000000000	.11	9a999 58669a999	117792	98575 686428789		2.5 5.5 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	84538555554 11111111111111111111111111111111	988922225562 5 [[[[[[[]]]	b 888 \$48 \$48 \$46	8 HPP884555885	10748698667550 - 13
c	o	82584 45252535355 11111111111111	98888:488556888989 477777777778	98284 JRGBR584584	18454 582PE824 58	2008 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	u	e.5 7.5 1998 24 25 26 26 26 26 26 26 26 26 26 26 26 26 26	######################################	1995-1995-1995 1111111111111111111111111	1.28.41 8 5 E E E E E E E E E E E E E E E E E E	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	988-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
D	, , , , , , , , , , , , , , , , , , , ,	10000000 1450556655565 000000000 105000000000000000	18426	<u>ଅଧିକୃତ୍ୟ । ବୃତ୍ୟ ବୃତ୍ୟ ଅଧିକଳୀ । ବୃତ୍ୟ ବୃତ୍ୟ ଅଧିକ ଓଡ଼ିଆ ଅଧିକଳୀ ଅଧିକଳୀ । ବୃତ୍ୟ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧି</u>	#8999\$\$\.ee\898888	9883953888 8589 98594 5864885989 84885 58648 5866 949395 686499868	נ	2.5 5 7.5 105 20 205 20 205 205 205 205 205 205 205 205	08888 BARRAHIB885	89999 88999745666	98566 BEHGE 1985	19844 522551191986	1286 1384 - 1988 148 148 148 148 148 148 148 148 148 1
I	ងនធនដងនិងជម្រួន សម្រេច និងក្នុងនិងក្នុង	1111111555AAAAAAA	8845887111111111111111111111111111111111	\$\$\$##\$\$#\$\$\$\$#\$\$\$###\$\$###\$\$###\$\$###	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	864994684888888888888888888888888888888	I	2.5 7.5 19 20 25 20 br>20 25 20 2	ା । । । । । ଧୃତ୍ୱର୍ମ୍ଣ ଅଧ୍ୟର୍ଷ୍ଟ୍ର		111111111111111111111111111111111111111		
7	0 25 7 5 19 19 20 50 50 50 50 50 50 50 50 50 50 50 50 50	\$50225555555555555555555555555555555555	25.11.11.11.11.11.11.11.11.11.11.11.11.11	1988 1988 1988 1988 1988 1988 1988 1988	1.00 18 18 18 18 18 18 18 18 18 18 18 18 18	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7	8.5 7.5 10 15 89 80 80 80 80 80	17 01 11 11 11 11 11 11 11 11 11 11 11 11	12 12 12 12 12 12 12 12 12 12 12 12 12 1	88448848888888888888888888888888888888	127224 12724 12737 10737	- 22 - 25 - 25 - 25 - 25 - 25 - 25 - 25



TABLE 12.— PRESSURE COEFFICIENTS FOR $\Lambda = 0^{\circ}$, $\delta_{R} = 6^{\circ}$, $\alpha = 4^{\circ}$

			Upper	RETGO:			П			Lower	Nerface		
Ste-	Per- cast chord			Mach gumb	•r		Sta-	Per-	T		Mack number		
tion		0.600	0.700	0.800	0.895	0.850	tion	chart	0.600	0.700	0.800	0.825	0.850
A	0 2.7 7.5 20 20 20 20 20 20 20 20 20 20 20 20 20 2	84 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	क्ष्णकृत्यम् । वृष्ट्यम् । अष्ट्रवस् । व्यक्तिम् नेत्रे । विष्ट्रते । विष्ट्रते	7 (4 (4 4 f () () () () () () () () () (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1962 1962 1962 1964 1965 1965 1965 1965 1965 1965 1965 1965	A	2.5 7.5 15 25 25 25 25 25 25 25 25 25 25 25 25 25	- 1288 668 888 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	**	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5		
3	0 2.5 7.5 10 15 20 30 - 50 - 50 - 50 - 50 - 50 - 50 - 50 - 5	HP141 111111			1.03 -34 -34 -38 -1.05 -	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	В	2.5 7.5 10 10 10 10 10 10 10 10 10 10 10 10 10	8	<u> </u>		111111111 11888888888	36 .06 0 009 -133 -86 -141 -26 -154 -100 -05
С	0 25 5 7 10 5 20 20 5 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 8 5 9 7 6 5 7 6 5 8 5 9 7 6 5 7 6 5 8 5 9 7 6 5 7 6 5 7 6 5 7 6 7 6 7 6 7 6 7 7 6 7 7 6 7 7 6 7 7 6 7	3864898493418944	23888184885558888888888888888888888888888	\$6\$\$\$8\$\$5\$B.19954 5843\$\$19565872 \$6\$\$\$1858\$\$9885872 16444666667	168488 16888888888888888888888888888888888	11111111111111111111111111111111111111	C	**************************************	\$ \$ \$. 172 . 150	.407.000 207.0		.36 .12 .00 06 12 35 35 34 77 77
מ	0 25 5 7 15 8 50 50 50 50 50 50 50 50 50 50 50 50 50	895546648 83554888	4444441111111118	38855555555555555555555555555555555555	711171171111	TOTAL SERVICE	D	8.5 5.5 195 195 195 195 195 195 195 195 195 19	38862448481896	.43 .22 .10 .06 	.37 .18 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	अभ्यत्ता । । । । । । । । । । । । । । । । । । ।	のは、一つでは、一つでは、一つでは、一つでは、一つでは、一つでは、一つでは、一つで
3	0 25 7 25 25 25 25 25 25 25 25 25 25 25 25 25	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	31111111111111111111111111111111111111	24 11111111 1111111 1111111111111111		11111111111111111111111111111111111111	1	2.5 5.5 1.5 10 10 20 21.5 50 70 70 70 70 70 70 70 70 70 70 70 70 70)	11111111111111111111111111111111111111		1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	8887488488
7	0 2-5 7-5 105 105 105 106 106 106 106 106 106 106 106 106 106	53668876877877475888676877877747588867787777477588867788677	2.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		89848888888888888888888888888888888888)		2-5 5-5 10-5 10-50	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5577858884785	5.1285.14 st 845.55	55 11.04 10.05 10.	.72 .05 .05 .09 .09 .09 .09 .09 .09 .09 .09 .09



TABLE 13.- PRESSURE COEFFICIENTS FOR $^{\Lambda=0^{\circ}}$, $\delta_{\mathbf{a}}=10^{\circ}$, $\alpha=-4^{\circ}$

			Upper surfac				<u> </u>			Lower surface	····		
8te-	Per-	T		isch maber			Sta-	Por-	1		Mash number		
tion	cent chord	0.600	0.700	0.800	0.825	0.850	*ion	eent ohord	0.600	0.700	0.800	0.825	0.850
A	0 25 7-5 7-9 15 2 15 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	98 98 98 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.888888888888888888888888888888888888		1466 5559854 - 57 9	1.15	A	2.5 7.5 125 200 200 200 200 200 200 200 200 200 2	-1.13 -99 -59 -65 -65 -65 -50 -30 -19 -01	99958588588955 77771111111111	4.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	9.75 1.88 1.88 1.88 1.89 1.80 1.80 1.80 1.80 1.80 1.80 1.80 1.80	-0.58671758888717588888717588888717588888717588888717588888717588888717588888717588888717588887175888887175888
В	o 25 7-5 15 11 11 11 11 11 11 11 11 11 11 11 11 1	95.95 - 65.95 - 65.93 - 65.93	2 15 25 1 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	नुस्थ्रहरू । वश्चन्द्रभ्रम् न	15 .38 .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	1.25 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.	3	2.5 5.5 10.5 10.5 10.5 10.5 10.5 10.5 10.	-1.28 -1.19 -1.99 -1.67 -1.41 -1.15 -1.15	त्रस्थात्रक्षत्रम्थक्षत्रम्थक्षत्रम्थक्षत्रम्थक्षत्रम्थक्षत्रम्थक्ष	28888858857 । । । । । । । । । । । । । । । । । । ।	9 Bankarararararararararararararararararara	20 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
e	៰៰៓៰៓៓៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰៰	.91 .98 .02 .09 19 32 33 33 33 33 33 33 33	7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	नुस्थ्रम् । स्वक्ष्य्रक्षभू स नम्भद्धः । भूक्षम्भ्रद्धम् द्वस्	1.38 .05 .05 .1984778835508 .174778835508	3888 14878 84888	c	2.5 5 7.5 10 20 20 20 20 20 20 20 20 20 20 20 20 20	-1.17 -1.10 -92 83 69 56 48 39 35 29 07	\$28.25.00 \$2.55.00 \$2.50.00	\$ \$\$\$\$ 1 \$\$\$\$\$ 1 \$\$\$	%\$\$\$\$\$ \$\$\$\$\$\$ 1265	11111111111111111111111111111111111111
D	0 25 79 99 99 858 188 99	.92 .97 .000 000 000 336 155	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	1.09 .31 .02 .02 .02 .03 .03 .03 .03 .03 .03 .03 .03 .03 .03	1.18 .89 .10 0 07 19 41 50 50 50 05 05	1.14 .30 .01 .02 .03 .04 .05 .05 .05 .05 .05 .05 .05 .05 .05 .05	D	2.5 5 7.9 10 120 20 20 20 20 20 20 20 20 20 20 20 20 2	-1.25 -1.03 -5.51 -39 -5.14 -35 -35 -1.19 -05 -1.13 -05	1.25 1.12 1.12 1.13 1.13 1.13 1.13 1.13 1.13	588861888855588	22888 \$882345455 	######################################
2	0 2.5 7.9 15 2 4.5 25 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5 2 5				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	2.5 5 7 10 20 20 20 20 20 20 20 20 20 20 20 20 20					11111111111111111111111111111111111111
· .	2.5 5.5 5.5 10.5 20.3 30.40 50.70 50.70	- 50 - 50 - 117 - 127 - 134 - 134 - 135 - 153 - 153	88.25 BB 2.25 BB 2.55	93.19 0 004 130 144 144 144 144 144 144 144 144 144 14	- 55 - 198 - 66 - 117 - 68 - 68 - 68 - 68 - 68 - 68 - 68 - 68	.96 .58 .19 .026 .118 .100 .529 .763 .763 .733	7	2.5 7.5 1.5 20 15 20 16 70 60 70 80 90	58955555555555555555555555555555555555			1988 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ଅନ୍ତ୍ରଧ୍ୟ ଅନ୍ତମୟ ଅଧିକ । ଜଣ୍ଣ ବିଜ୍ଞାନ୍ତ ଅଧିକ ।



Table 14.- Pressure coefficients for $~\Lambda \!\!=\!\!\!0^{\circ},~\delta_{\mathbf{a}} \!\!=\!\! 10^{\circ},~\alpha \!\!=\!\!\!0^{\circ}$

	-		Upper surfa	Ce Ce						Lower surfa			
Sta-	Per-			Mach number			Sta-	Per-	T		Hack number		
tion	omt ohord	0.600	0.700	0.800	0.825	0.890	tion	chord	0.600	0.700	0.800	0.825	0.850
A	0 2.5 7.5 10 10 20 30 50 60 60 90 90	00000000000000000000000000000000000000	1 39 50 1 1 1 1 1 2 1 2 1 2 1 1 1 1 1 1 1 1 1	1.48	1.18 38 34 36 36 36 39 39 39 39 39	1.20 08 32 36 31 51 51 52 59 59 37 37	A	2.5 5 7.5 10 15 20 30 50 50 60 70 80 90	0.80 - 34 - 35 - 35 - 35 - 35 - 35 - 35 - 35 - 35	0.17 - 29 - 34 - 37 - 36 - 37 - 37 - 37 - 37 - 38 - 31 - 31 - 31 - 31 - 31 - 31 - 31 - 31	0.1630374243454440382716 .03	0.09 -272 -377 -513 -349 -349 -349 -349 -349 -349 -349 -34	0.09 25 33 37 37 36 53 53 55 56 09 07
B	0 2.5 5 7.5 10.5 20 340 50 80 50 80 95	8568841811111111118888888888888888888888	19688 R42928851	18879 688848487 1111111111	1.18 - 143 - 136 - 136 - 138 -	1.19 08 37 31 31 53 57 70 70 70	3	2.5 5.5 10 15 20 30 40 50 70 70 80 90 90	7223454554324 - 1	14522225512-4 11111111111	16 32 39 37 79 52 54 12 39 9 1	1185 1397 144 1599 147 147 147 147 147 147 147 147	- 00 - 33 - 33 - 34 - 36 - 33 - 34 - 33 - 34 - 33 - 34 - 34 - 34
0	0 2 5 5 7 5 15 25 25 25 25 25 25 25 25 25 25 25 25 25	9111111111111 9635946565192889	11111111111111 805840888488886		199363	1.20 -33 -33 -35 -35 -35 -75 -75 -75 -75 -15 -15 -19	0	2.7 7.7 10 20 34 50 766 780 89 99	139 139 139 139 139 138 138 138 138 138 138 138 138 138 138	-14 -134 -139 -139 -138 -139 -139 -139 -139 -139 -139 -139 -139	09H2489 (11489) \$3489 (1179) 1758	- 53 - 53 - 53 - 53 - 53 - 53 - 53 - 53	66 -35 -35 -35 -36 -35 -36 -35 -36 -36 -36 -36 -36 -36 -36 -36 -36 -36
D	0 2.5 5 1.0 1.0 1.0 20 20 20 20 20 20 20 20 20 20 20 20 20	1.08 1.23 1.25 1.25 1.25 1.25 1.25 1.25 1.25 1.25	2984828, 248858248	1.176332355 - 769779979965	13953888818788649555	1.19	J .	2.5 7.5 100 100 100 100 100 100 100 10	128884 18848488285	1987 8 1888 1899 9 9 9 9 9 9 9 9 9 9 9 9 9 9	-19 -39 -35 -37 -47 -23 -19 -23 -23 -23 -23 -23 -23 -23 -23 -30 -31 -30 -31 -30 -31 -32 -32 -32 -32 -32 -32 -32 -32 -32 -32	13879366	7.55 7.55 7.55 7.55 7.55 7.55 7.55 7.55
	0 5 5 7 5 7 5 5 7 5 5 5 5 5 5 5 5 5 5 5	1111111084585859 11111111084585859		11111588R88331598	ा।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।		I	2.5 7-9 10 15 20 27.5 35 90 80 70 80 80 80 80 80 80 80 80 80 80 80 80 80	39899999999999999999999999999999999999	1111152882758858 111111111111111111111111111111111	11111111111111111111111111111111111111		
F	0 .5 2 .5 7 .5 20 30 30 50 70	.50 .50 .16 0 84 -117 -233 -133 -133 -133	4788884886 4788884886 4788884886 4788884886 4788884886 47888848888888888	1.00 1.15 1.34 1.34 1.39 1.12 1.56 1.37 1.37 1.37	1.00	1.00 .20 -13 -36 -36 -39 -36 -36 -56 -66 -68 -50 -10	7	2.5 5 7.5 10 15 20 30 40 50 60 70	######################################	88288884322 [4:1:1:1:1:00	98844523888 5	18 18 18 18 18 18 18 18 18 18 18 18 18 1	- 28 - 28 - 28 - 28 - 28 - 28 - 28 - 28





TABLE 15.— PRESSURE COEFFICIENTS FOR $\Lambda \!\!=\!\!\! 0^{\circ}, \; \delta_{a} \!\!=\!\! 10^{\circ}, \; \alpha \!\!=\!\!\! 4^{\circ}$

		,	Upper	surface						Lorer su	rface		
Ste- tion	Per-	<u> </u>		Heat numb	er .		Ste-	Per- eent chord			Mach marker		
	0 2.5	0.600 0.68 -1.74 -1.40	0.700 0.63 -2.20	0.800 1.03 67	0.825 1.06 59 81	0.850 1.00 48	1		0,600 0.43 .21	0.700 0.43	0.800 0.39	0.825	0.850 0.34 .15
	0 2.5 7.5 1.5 20 340 50 60 70 80 95	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	######################################	-1.02 -1.01 -1.05	5948 F 5 5 5 6 6 6 5 5 5 5 6 6 6 6 6 6 6 6 6	87 87 86		25 TA 15 8 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9446888448884448		0.35 1.58 1.49 1.49 1.49 1.49 1.49 1.49 1.49 1.49	9.16.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	#1988 95 #88 #88 #88 #88 #88 #88 #88 #88 #88 #8
<u> </u>	20 30 40	72 62 57	69 63 60	-7-82 -7-82	93 95 90	87 91 86		30 40 50	15 19 22	H H	-19	22 25 38	24 30 36
•	50 60 70	50 34	53 35	17 26	86 23	65 33		60 70 80	15 19 25	~.30 ~.21 ~.15	~31 ~22 ~14	- 38 - 28 - 18	51 39 21
	90 95			. 15 . 15		11 .06 .15							
3	0 2.5 7.5 10 5 80 340 50 80 70 80 95		ቴኔቴኳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳጳ	1-1-0 1-0	1.03 48 89	1.50 42 82 83	3	2,5 5,5 5,5 5,5 5,5 5,5 5,5 5,5 5,5 5,5	20145545835918 	សំពីមិនិងសំពីមួយ	######################################	भ्रेष्ड्वध्य <i>ष्ट्रसम्</i> ध्यः । न	######################################
	20 20 20	8 <u>r</u>	-1.54 -1.46	-1.07	86 94	8ī. 86		35 20 30	01 05	- 65 - 60 - 17	06 10	05 12 23	09 2k 86
	50	1.54	60 57	-1.11 -1.11 -7.4	-1.05 -1.04	95 95 95		\$ 88 F	10 20 24	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	25 27 33	- 30 - 35 - 35 - 35 - 35 - 35 - 35 - 35 - 35	- 50 - 50
	70 80 90	36 18 o	- 37 - 10 - 02	-18 -03 -10	क्षेत्र ।	90 24 03		80 90 95	10 08	138	04		.03
c	82-2 0 82-2			884545474747477777777777777777777777777	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	25 1 1 1 1 1 1 1 1 1	С						
	7.5 10	58488 F4854888488	4444 (4 () () () () () () ()	-7°87 -7°80 -38	82 83 84	π 79 80		484848484848484848	स्थन्छ्य _ा नुन्नुन्। । नृष्ट्	\$498, 77777 198	, , , , , , , , , , , , , , , , , , , ,	1	#28
	20 30 40	-π -π -6	-1.13 68 64	6e -2.06 -2.11	70 93	67 90		39.49 39.49	1977	277	-15 -23	22 30	27 34
	50 57 66	-57 -51 -05	59 52 05	76 51 02	- 63 - 46 - 01	90 49		57 66 17	15 10	-19 -19	26 17	36 26	46 39
	888	- 56 - 11	-36 -37 -37	30 26 24	34 29 29	- 38 - 38 - 38		85 93	12.5	-11 -11	100	.03	.01 10
D	o 25 - 19 19 29 29 29 29 29 29 29 29 29 29 29 29 29	03 56	-,02 -,78 -1,16	1,00 -,87	1.06	1.09	a						
	7.5 10	नेनेनेने । जिल्लास्ट्रिस्ट्रिस	786 -1450 -1451 -1534 -1535 -1	-1.01 -2.01 -1.03	86 85 86	- 75 - 78		888888888 6 4	ର୍ଷ୍ୟ ହେବି । ଜଣ୍ଣ ଅନ୍ତର୍ଜ୍ୟ ହେବ	នងដង់ន ដង់ដង់ងន់ងង់ន	នៃស្នៃ ខ្មុំ រូប្បុរ្ស ។ ១១ និម័ន	**************************************	.34 .15 .05 04 21 21 24 26
	20 20	8e	-1.45 -1.33	-1.03 -1.03	- 84 - 84 - 84	7-85 7-85		\$5 88 88	05 11	177	- 1 2 2 2 2	-21 -29	23 31
	50 57 66	-51 -51 -51	62 54 55	-53 -53	86 47 43	, see		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	06 08	788	81 12 12 12	-130	41 24 06
	75 80 85	36 52 15	~39 ~37 ~37	37 33 34	k1 37 30	12 39 32		80 85 90	.23 .18 .07	.19 .08	.25 .20 .06	.20 .17 .01	.17 .16 .00
2	\$5 95						3						
	2.5 5 7.5	==	==	==	==	==		0.000000000000000000000000000000000000	।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।	11111111111111111111111111111111111111	0 2 2 3 3 4 3 5 5 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		
	15 20 27.5	==	==	==	==			20 27.5	-:# -:#	13 13	 15 29	92 97	24
	50 50 50	60 56 50	65 57 58	96 96 64	89 94 94	85 91 97		50 60 70	- 60 - 15 - 15	- 18 - 15 - 06	~.21 ~.21	33 26 11	43 41 23
	70 10 10 10 10 10 10 10 10 10 10 10 10 10	- 10 - 11 - 27	- 39 - 39 - 39	36 30 32	\$4 35 21	46 39 30		75 80 85	.05 .34 .13	834	.06 .32 .17	-25 -25 -26	.01 .82
	0 47 17 17 17 17 18 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Parket bear and the contraction of the contraction		Cyrrely programmed as exerces as a contract of the contract of								#	
7	0 2.5 5 7.5	17 91 93	67 94 -1.07	- 68 - 68 - 76	.64 22 51 64	16 16 60		2.5 7.5 19.29 29.58 29.5	64488488 6488488488	599788899888888888888888888888888888888	នុខ៩៥៥ម៉ែងដែលមិន	\$488824845444 \$488548454444	**************************************
	80 12 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14	- 65 - 65	-1.06 19 12	86 89 81	73 76 71	69 11 67		15 20 30	- 01 - 08 - 16	- 03 - 09 - 19	- 24 - 24 - 25 - 24	06 13 26	06 15 29
	8.2	60 51 51	66 59 52	84 85	76 74 84	73 73 8 <u>3</u>		40 50 60	20 22 20	85 85	31 32 35	- 35 - 35	39 50 47
	70 80 90	43 52 12	- 44 - 52 - 14	- Ai - Ai - 57	53 52 12	67 79 39		80 90	02 02	04 04	.05 -07	02 03	
							لــــــــــــــــــــــــــــــــــــــ						



A PARTITION OF THE PART

TABLE 16.- PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{a}=0^{\circ}$, $\alpha=-4^{\circ}$

			Upper su	risce			П			Lower me	Three		
Sta-	Per-	-		Much misher			Bte-	Per-			ack number		
tios	chord,_	0-600	0.700		0.825	0.600	tion	cent churd	0.600	0.700	0.800	0.825	6.550
	0 e 1 - 1 1 2 2 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8	9.74 q q q q q q q q q q q q q q q q q q q	स्त्र ने १९८५ १९८५ १९८५ १९८५ १९८५ १९८५ १९८५ १९८५	0.80 0.88 0.88 0.88 0.88 0.88 0.88 0.88	881965845991189 6819658459911189	0.445685684 1146 1146 1146 1146 1146	1	2-5 5-5 10 10 20 20 20 20 20 20 20 20 20 20 20 20 20	1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.77.89.88.88.14.88.4 - 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	ですることでは、 では、 では、 では、 では、 では、 では、 では、 では、 では、	0.85 -0.70 -58 -39 -31 -30 -31 -32 -33 -33 -33	1111111111
В	0 15 7 15 8 25 25 25 25 25 25 25 25 25 25 25 25 25	0.21 -0.64 -0.68 -0.68 -0.73 -1.	.17 .24 .05 .04 .05 .07 .07 .01 .01 .01 .01 .01 .01	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$97777788	48 511 57 50 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	2.5 5.5 10.25 20.2	80779859888889 - 005	80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 C S T 6 S S S S S S S S S S S S S S S S S	1.08 1.05 1.05 1.15 1.15 1.15 1.15 1.15 1.15	6.81.8282828283838
c .	0 2.5 7.0 13 23 24 25 7 6 7 6 85 95	94.99. 	144184 859149500 P. P. P. P. P. P. P. P. P. P. P. P. P.	विश्वति । विश्वति । विश्वति । विश्वति । विश्वति । विश्वति । विश्वति । विश्वति । विश्वति । विश्वति । विश्वति ।	\$2755,5847777888884455,15924.18888	## ## ## ## ## ## ## ## ## ## ## ## ##	c	2.5 7-7 30 30 30 30 30 30 30 30 30 30 30 30 30	87 34 (8850) - 18 - 18 - 18 - 18 - 18 - 18 - 18 - 1	6. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	%7 - 575 - 586 at 1 - 0.66	-L-04 	18 11 18 2 48 1 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
מ	0 2 5 7 19 19 29 29 25 76 78 85 98 8	-03	.09 .26 .09 .03 .03 .03 .03 .04 .05 .01 .01 .08 .09	. १५०० । १५०० । १५०० । १५०० ।	144.58.58.194.1758.188.194.1758.188	, श्रेस्ट्रिट्ट्रिया । । नाम अक्सनेट्ट् । देवनभग्नेट्ट् । क्ष्मियनेट्ट् । जनभग्ने । इट्ट्रिट्ट्रेट्ट्रिया । अभिनेट्ट् प्रित्ति । । नाम अक्सनेट्ट् । देवनभग्नेट्ट् । क्ष्मियनेट्ट् । जनभग्ने । इट्ट्रिट्ट्रेट्ट्रिया । अभिनेट्ट्	7	2.5 7.5 10 20 20 20 20 20 20 20 20 20 20 20 20 20	Section in the section of the sectio	855488 + 3868448868	# 1	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-1.16 -1.12 -36 -37 -36 -35 -36 -23 -16 -03 -01 -06
7	0 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5	==		 		नित्र हु हु हु हु हु हु हु हु हु हु हु हु हु	2	2.5 7.5 10 5 20 15 20 15 20 15 20 15 20 15 20 25 20 25			11 12 12 12 12 12 13 13 13 13 13 13 13 13 13 13 13 14 14 15 15 15 15 15 15 15 15 15 15 15 15 15	~25 ~25 ~25 ~25 ~25 ~25 ~25 ~25 ~25 ~25	
y	0 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	기가기위한 한 학생 시작용기가 중에 기 없었다.	-50 -03 -04 -14 -15 -28 -12 -28 -12 -28 -12 -28	~ * * * * * * * * * * * * * * * * * * *	18884444 444 8	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I	2.5 7.5 10 20 30 40 50 60 70 80 90	#P\$2 BA\$\$9 1	9,754 - 15,4 - 1	1.08 1.43 1.34 1.34 1.34 1.34 1.34 1.34 1.34	1.06 1.07 1.32 1.39 1.36 1.37 1.17 1.11	-1.07 -1.81 -32 -35 -39 -39 -39 -39 -39



TABLE 17.- PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{\mathbf{a}}=0^{\circ}$, $\alpha=0^{\circ}$

			Upper	euriace			Г <u>Г</u>			LOWER DE	rface		
Sta-	Por-			Mach much			Sta- tion	Per- cent			Mack renter		
tion	ehert.	0.600	0.700	0.800	0.825	0.650	. L	abord.	0.600	0.700	0.800	0.825	0.850
^	2.5	0.43 27		0.48 13	- 22 - 22 - 22 - 22 - 22 - 22 - 22 - 22	0.46 13	^	2.5	-0.15 17	-0.16	-0.12	-0.12 15	-0.14 16
ľ	7.5	22	22	17	-,21	19 19	; ;	10.2	19	20 20	- 16	17 16	18 19
'	16	23 23	~23 ~23	18	22	19 19		15 20	19	20 20	16 17	18, 19	18 19
	20 30		-,28 -,22	18 18	<u>91</u>	19 19		30	20 20	-,22	18 10	E0 92	21
	- 40 - 50	- 91	-,22	18	- 22	20		20	20	-,22	-,19	21	22
	0 2 5 5 7 7 20 20 20 20 20 20 20 20 20 20 20 20 20	0.43 24 22 23 23 23 23 23 23 23		0.48 -130 -110 -115 -115 -115 -115 -115 -115 -11		==		2.5 5.5 10 120 30 50 60 70 90	-0.15 -1.19 -1.19 -1.19 -1.29 -1.20 -20 -20 -1.15 -1.19 -1.19 -1.20	្ត	84544444444444444444444444444444444444	0.15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-0.14 -118 -119 -119 -119 -121 -122 -136 -136 -136 -136
	80	==.		- 17	==		11	, <u>20</u>	19	-20	-18	21	7-23
	gg gg	-19	20		-21	-,22		1			i	_	
1	2.5	26 26	-,26 -,26	22	-22	2t] 3	2.5 5 7.5 1.0 120 30 50 60 60 90 80 90 80	199 4 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	କ୍ଷ ଷ୍ଟେକ୍ଷ୍ୟ ଷ୍ଟ୍ରୟ ଅଧିକ । ଓଡ଼ 	11111119 551888555	ଧିର ଜଣ୍ଡ ଅଧିକ ଅଧିକ । ଅଧିକ ଅଧିକ । ଅଧିକ ।	៩៩៩២ឧត្តម្ភាស្ត្រ
	, Ť.5	26	10		- 24	24	[]	3.0		78	.or	- 61	.03.
	ž,	-=	7.2	7-1		-=3	 	20	~50	1,33	733	80	-20
	20	22	- 2	-13	-16	36	[]	\$6	21 21	-23	19	22	-,22
	50	20	24 23	-05	00	-07	i i	8	20	-25	19 19	22	-,21
	60 70	19 15	20	.05 .05	.06	.05	{ }	70 86	15	~.17	20	23	~23
	80 90	02	02	06 02 19	07 01	06 .02		90 95	02	03	15 15	22	87 81
c	0 1 5 7 9 9 9 9 9 9 9 0 0 1 5 7 9 9 9 9 9 7 7 8 7 8 8 8 9 9 9	88 Secretarian	- । । । । । । । । । । । । । । । । । । ।	80 9 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-48 -21	C	2.5 5 1.9 12 20 00 50 12 80 80 90	-15 -21 -31 -32 -33 -33 -33 -33 -33 -33 -33 -33 -33	ନିକ୍ଷ । ଷ୍ଟର୍ଷ ଷ୍ଟଳ । । । । । । । । । । । । । । । । । । ।	기위 : 육위 : 유누뉴워 : 병원 :	198 - 198 -	-13 -20 -22 -21 -19 -117 -17
	7.5	29 26	- <u>aī</u> - <u>a</u>	23 28	24 23	25 23	<u> </u>	7.5 10	- <u>-</u>	-23	20	19	22
	10 15	27	26 	22	-23	25		15 20	22	~29	79	18 	
	20 30	24	22		19			36	21. 20	~21 ~36	19 17	15 17	22
· ·	%o 50	- 23	32	18 17	19 17	- <u>.91</u>		50 57	20 19	26 19	17 16	-,16 -,15	18 17
	े इत्	-19	18	-13		16		66_ 75	===	===	==	==	
	72							80					
		06	05	9.		0 7		<u>%</u>	01	0	.05	.06	.05
D	99	05	.05	 	:12	.ii	D	· .					
, B	2.5		- 2		-:21	-21] *	2.5 T.19.58 20.00 20 20 20 20 20 20 20 20 20 20 20 20 2	1991280 19914486 5	ଅଷ୍ଟ୍ରମ ପ୍ରଥମ୍ପ ଅଟି ବ ୮୯୮୮ ୮୯୮୯	68668 54686188846	6888866886	198 - 198 -
	7.5	-26	26		-22	83		16	22	7.85	- 20	-75	-91
	15	-21	21	19	-15	20	i	200					
	30							160	-19	20	- 16	16	-18
	50	22	-,23 -,22	18	-18	20		20	19	-30	1.33	7.15	그냥
	66	19 19	19 19	5	-33	-16	H	200	16	16 14	09	66	10
	75 80	12	12 07	07 02	07 01	-,08 ,03		80	- 06	06 04	a	01	-,02
	85 90	02	02	.o.		.ok		90 95	°	°.05	.06	-10	.05
3	95		05			-10			ļ	==			
	2.5 5	==	==	==	==	==		2572533358888888888888888888888888888888		111111288841488468		1111111111111111	
	7.5 10	==	==	==	==	==	1	15	==	==	==	==	==
	15 20	== 1		==	==	==	1	20 27.5	92	29	19	25	-,21
	27.5 35	23	24	19	 	 -23		55 50	21 30	-,22 -,23	-,17 -,17	~23 ~23	ar
	50 60	30 16	20 16	15 11	-25	-19 -14	•	60 70	20 16	90 17	15 11	- <u>.91</u>	19 15
	70 75	-13	12	07	12 04	09 02		175 .	03	~ <u>n</u>	06 .03	11 11	05
	Šć Fr	~.06	-07 -07	-01	06	~.02		85	04	-03 -01	.03	02	.05
	0 2 7 7 10 5 20 30 50 77 66 15 80 50 50 50 50 50 50 50 50 50 50 50 50 50	8 8382588 11111111	•.06	।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।		.05 .11		ŀ	-05	.06	-13	.07	.11
7	0 2.5 7.5 130 20 20 20 20 20 20 20 20 20 20 20 20 20	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8 KR & & & & & & & & & & & & & & & & & &	등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등	- 07 - 39 - 39 - 39 - 39 - 39 - 39 - 39 - 39	6.1199999999999999999999999999999999999	7	9.5 7.5 10 20 20 20 20 20 20 20 20 20 20 20 20 20	1 39 1 39 1 36 1 37 1 37 1 37 1 37 1 37 1 37 1 37 1 37	2000 स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स्थापन स	(5654 1888 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 99 - 95 - 45 - 36 - 36 - 36 - 36
	5 7.5	32 32	35 35	~# ~#	39 39	30 40		1.5 10	24	30 27	-23 -23	30 21	-25 -35
	10 15	31 30	33 32	30 29	—.37 —.35	36 39	1	25	26	26	~25	29	95
	20 30	- <u>.25</u>	30 29	27 25	33 31	32 29		36	25	-,26 -,26	-27	29 29	-38
	\$0 50	24	 		26	~-2k		- 50 60	-,24 -,19	27 22	22 16	27 20	10
	60 70	20	22 16	16 10	13	18 10	Н	1 66	==	==	==	==	==
	80 90	15	.03			- <u>-</u> -	11	90					
					<u> </u>	<u> </u>		L					





Γ			Doper	surface			Π		·	Lower surf			
8ta-	Per-			Mack number	r		Sta-	Per-			Mash number		
tion	chord	0.600	0.700	0,800	0.825	0.850	tion	ount obord	0.600	0.700	0.800	0.865	0.850
Α.	8.5 7.5 1.5 80 40 60 60 70 80 95 80 95	0.07 - 75 - 75	0.14 - 78 - 74 - 75 - 140 - 73 - 73	0.217.877.893. 	0.26 	645944 645944 644 644 644 644 644 644 644 644 644		2.7 7.9 15 23 25 25 25 25 25 25 25 25 25 25 25 25 25	0.20 .00 .01 .02 -09 12 13 14 12	0.20 .00 .00 .00 .00 .00 .11 .00 .11 .11	0.80 .11 .03 -04 -08 -10 -19 -19 -11 -11	0.23 .34 .09 .06 .03 0 04 07 09 20 20 20	0.43 .13 .09 .03 .03 .05 .05 .09 .13 .00 .13
В	10 150 30 40 50 70 80 95	- 17 - 65 - 65 - 63 - 63 - 63 - 63 - 63 - 63 - 63 - 63	0 1 1 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 0 0	**************************************	568 100 100 100 100 100 100 100 100 100 10	56864488888 - (- 445 88888 - (- 145 68888 - (- 145 68888 - 155 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	35	2.5 7.5 10 15 30 40 60 70 80 90 95	\$255.00 1.00 88.60 B B B B B B B B B B B B B B B B B B B	0 -01 0 20 -11 -05 -05 -06 -12 -15	.64 .63 .63 .17 .10 .64 .64 .64	1 1 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
c	0 2 5 7 12 15 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	G GE: 18888: 18986:	ବ୍ୟକ୍ତ । ଜ୍ୟକ୍ଷ୍ମ । ୧୯୯୭		.88 -1-08 -68 -1-88 -1-88 -1-1-4 -1-4 -1-4 -1-68 -1-1-4 -1-68 -1-68 -1	1588 18	c	2.5 7.7 100 200 300 300 507 66 700 80 90 90 90	- 15 - 05 - 06 - 06 - 09 - 110 1	25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	884 - 1 - 885 -	- 55 - 55 - 55 - 55 - 55 - 55 - 55 - 55	.85 .17 .07 .01 .06 .066 .08 .09
נ	0 25 5 7.0 15 80 57 66 75 805 905	835883\$,884428 , &	4	\$8685\$ #84586 88	200 120 170 170 170 170 170 170 170 170 170 17	844884688188188	a a	2.7 7.5 19.22 20.2	.28 .17 .106 0 06 7 09 1 19 1 19 1 19 1 00 1 00 1 00 1 00 1	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$.89 .18 .19 .07 6 	.30 .30 .35 .35 .35 .35 .35 .35 .35 .35 .35 .35	.30 .80 .05 .05 .05 .06 .06 .06 .06 .06 .06 .06 .06 .06 .06
	00 27 57 57 57 57 57 57 57 57 57 57 57 57 57	11111111111111111111111111111111111111	8. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	938558 1111111111111111111111111111111111	-30 -30 -30 -30 -30 -30 -30 -30 -30 -30		E	2,5 5,5 2,5 2,5 2,5 2,5 2,5 2,5 3,5 3,5 3,5 3,5 3,5 3,5 3,5 3,5 3,5 3	।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।	106 119 114 113 106 109 100	- 12 - 12 - 12 - 11 - 12 - 11 - 12 - 11 - 12 - 13 - 06 - 13 - 06	11111111111111111111111111111111111111	
y	0 9.5 7.5 19.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8.5 8	78767 78767 78767 7874 7874 7874 7874 78	8. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	F18874831 248 17	- 70 -1.14 - 74 - 32 - 32 - 32 - 32 - 32 - 32 - 32 - 32	7	9.5 5.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5 9.5	50명 : 14유행원의 : 1 :		688868122888 111111111111111111111111111	104 109 111 118 120 121 119 119	03 06 09 11 17 21 24 19



TABLE 19.- PRESSURE COEFFICIENTS FOR $\Lambda_{=}45^{\circ}$, $\delta_{a}=2^{\circ}$, $\alpha=-4^{\circ}$

			D _E	per surface			П			Lower at	urface		
Ste-	Per-			Mech nout	er		Ste-	Per-	Π		Mack number		
	chord	0.600	0.700	0.800	0.825	0,850	Sta- tion	oent obord	0.600	0.700	0.800	0.825	0.850
A	0 a - 5 5 7 - 5 10 5 20 40 50 60 70 80 95	0.19 .87 .03 04 07 09 13 13 15 18	6.21 489 .05 89 89 89 13 13 14	0.88 .07 .07 .08 .08 .08 .08 .08 .08 .08 .08 .08 .08	0.33 118 54 5 7 7 5 3 2 6 5 1 1 2 5 5 6 5 8 8 6 5 6 6 6 8 8 6 6 6 6 6 6 6	0.321	A	2.5 7.5 10 20 30 40 50 60 70 60 70	-0.70 50 56 36 33 37 27 22 23	-0.74 50 48 35 35 35 35 35 35 35	-0.70 77 47 47 36 33 36 36 28 26	-0.69 -0.47 -0.44 -0.95 -0.33 -0.33 -0.33 -0.33 -0.33 -0.33 -0.33 -0.33	-0.67 -7.99 -1.40 -37 -37 -33 -35 -35 -35 -35
3	2.5 5 7.5 10 15 20 30 40 50 60 70 80 90 95	.15 20 .00 .00 .00 .00 .00 .00 .00 .00 .00	98958 588954868 16677668	ଷ୍ଟ୍ରଥ ଅଟେଷ୍ଟ୍ରମନ୍ତ୍ର ଜନ୍ମନ୍ତ । ଜନ୍ମନ୍ତ୍ର	ଷ୍ଟ୍ରମଟ୍ । ଅନ୍ତ୍ରେଷ୍ଟ୍ରନ୍ୟସ	8643866 		2-5 5 7-5 10 15 30 40 60 90 95		- 100 mm mm mm mm mm mm mm mm mm mm mm mm m	- 69 - 59 - 59 - 59 - 59 - 59 - 59 - 59	00 50 50 33 33 33 33 33 33 33 3	- 186 - 186
c	0 2 5 7 7 1 1 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12 06 01	88 - 24444 4	\$\$!\$\$\$\$!\\$\$\$\$!\\$\$\$\$\$!\\$\$\$\$\$\$!	ଶ୍ୱ ନିକ୍ଷ୍ଟ । . ଓଡ଼ ନୃଷ୍ଠ । . ୧ ଟ୍ଟେଷ୍	R 1	ā	2.7 7.5 10 15 20 30 40 20 77 65 86 89		- 50 - 60 - 50 - 50 - 150 -	- 57 - 75 - 77 - 75 - 78 - 78 - 78 - 78 - 78 - 78 - 78 - 78	-1.63 -1.83 -1.95 -1.96	1.08 1.59 1.59 1.59 1.39 1.39 1.39 1.39 1.39 1.39 1.39 1.3
D	0 2.5 7.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2		\$\$!###################################	11 12 12 15 15 15 15 15 15 15 15 15 15 15 15 15	유 - 1 등을 하는 - 1	######################################	ם	2.5 57-29-38-38-58-58-58-58-58-58-58-58-58-58-58-58-58	58844 - 88844 - 1888 68	4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1. 17 万元 - 2. 17 万元 - 2. 17 万元 - 2. 17 万元 - 2. 17 2. 17 2. 17 2. 18 2.	1186 58 - 3888 375 865 5	4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
3	0 4 5 7 7 10 5 80 7 5 7 7 10 5 80 7 5 7 7 10 10 80 80 90 5 7 10 10 10 10 10 10 10 10 10 10 10 10 10			-09 -15 -11 -09 -05 -06 -06 -06		349888599		2.5 7.5 19.8 27.5 80.5 80.5 90.5 90.5 90.5					
7	2.5 7.5 10 15 20 30 40 50 60 70 80 90	19 02 10 13 17 18 21 23 20 17	51 03 10 10 15 18 20 21 16 16	51 04 10 13 15 19 21 23 24 24	-53 -07 -13 -11 -21 -22 -24 -25 -25 -16 -26	50 01 11 16 21 24 2 25 21 15	Ī	2.5 5.7 10 10 10 10 10 10 10 10 10 10 10 10 10	82 72 39 30 35 35 25 28 18	88 75 49 43 35 39 27 27	-1.07 -79 -43 -36 -36 -28 -28 -28 -22	-1.09 -1.12 68 36 39 39 36 29 36 21 13	-2.06 -1.22915727282929291212





TABLE 20.- PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{a}=2^{\circ}$, $\alpha=0^{\circ}$

			Unper	mrfsoe						Lower surfac		<u> </u>	
Sta- tion	Per-			Mach number			Sta-	Per-			Mack number		
tion	Per- cent chord	0.600	0.700	0.800	0.885	0.850	tion	cent chord	0.600	0.700	0.800	0.625	0.850
A	0 25 74 58 59 58 58 58 58 58 58 58 58 58 58 58 58 58	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.42 0.42 0.42 0.42 0.42 0.42 0.42 0.42	0.48 -15 -90 -19 -20 -20 -19	0.48 -13 -19 -17 -18 -17 -18	0.45 19 17 18 18 18	^	2.5 5 7-5	1539 0 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1981 28 28 1 1 1 1 8 2 1 1 1 1 1 1 1 1 1 1	-0.12 -1.17 -1.17 -1.18 -1.29 -1.20 -1.20 -1.17 -1.19 -1.20 -1.20	11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0	~ 13 ~ 16 ~ 17 ~ 18 ~ 17 ~ 18 ~ 20 ~ 19 ~ 17 ~ 17 ~ 18 ~ 21 ~ 22
	\$56 £885	- 40 	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	189	-16 -16 -1 -18 -19	129		19 19 20 30 50 50 60 70 80 90	i.				! !
•	0 9.5 7.5 11.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20	0.12 -93 -93 -93 -93 -93 -93 -93 -93 -93 -93	ିଲ୍ଲ ପ୍ରୀ , ଶ୍ରମ୍ମ ଅକ୍ଷ୍ୟ ଅନ୍ତ୍ର ଅ	វិទីនិង នៃ និងមានក្នុង ខ្លាំង		25044 Mark 12044	3	2.7 5 1.7 10 130 40 60 70 60 70 80 90 90	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	第20年の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の	115 119 119 119 119 119 119 119 119 119	19888988997:58	.08 06 02 14 21 22 23 23 23
С	0 a 3 1.5 1.9 20 24 25 75 75 89 95 8		- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100 000 000 000 000 000 000 000 000 000	- 22 - 25 - 25 - 25 - 25 - 25 - 25 - 25	- 14 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12	o	2-5 5 7-7 10 20 20 20 20 20 20 20 20 20 20 20 20 20	163 -23 -24 -21 -30 -19 -19 -19	- 14 - 22 - 22 - 23 - 13 - 13 - 13 - 13 - 13 - 13 - 13 - 1	-120 -201 -201 -201 -201 -201 -217 -217 -217 -217 -217 -217 -217 -21	130 130 130 130 130 130 130 130 130 130	155 155 155 155 155 155 155 155 155 155
מ	0 2 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3 7 3	288 1 1 28 28 2 28 28 2 2 2 2 2 2 2 2 2	5 * 4 6 6 8 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	887 (1999) 189	19 30 KH	1 1 1 1 1 1 1 1 1 1		2.5 5 7.5 30 50 50 50 50 50 50 50 50 50 50 50 50 50	17 -17 -17 -17 -17 -17 -17 -17 -17 -17 -	55589 55555988 88	- 15 - 18 - 21 - 15 - 17 - 17 - 16 - 12 - 08 - 04 - 08	549991444495888 [[[[[[]]]]]	1994
1	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	THE PASSES PASSES AND	754 -124 -124 -124 -124 -124 -124 -125 -126 -126 -126 -126 -126 -126 -126 -126	11111111111111111111111111111111111111			3	2.5 7.5 19 20 21.5 20 20 20 20 20 20 20 20 20 20 20 20 20			-14 -18 -14 -14 -09 -08 -08 -07	\$6.58888884° 52	11111111111111111111111111111111111111
7	0 2.5 5 7.5 10 15 20 30 40 60 70 80	79878669335954 17825 155	- 56 - 56 - 58 - 58 - 58 - 58 - 58 - 58 - 58 - 58	0017833975 000 3	- 55 - 59 - 59 - 59 - 59 - 59 - 59 - 59	- 08 - 37 - 33 - 39 - 39 - 25 - 25 - 25 - 25 - 25 - 25 - 25 - 25	7	2.5 5 1.5 10 15 20 40 20 60 10 80 90	-02 -05 -09 -10 -11 -21 -22 -22 -22 -12 -12	- 08 - 28 - 12 - 12 - 12 - 13 - 13 - 13 - 13 - 13 - 13 - 13 - 13	2000 (NESS 2)) () () () () () () () () (111111111111111111111111111111111111111	新発表型 (水本内部27) 「「「「「「「「「「「」」」



TABLE 21.— PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{\rm g}=2^{\circ}$, $\alpha=4^{\circ}$

			פַעָּט	er surface			<u> </u>			Lower son	rface		
Ste- tion	Per-			Mack number	r		Sta- tion	Per-	Γ		Mack number		
tion	cent chord	0.600	0.700	0.800	0.825	0.850	tion	chord	0.600	0.700	0,800	0.825	0.850
Å	02.5.5.5.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	0.66 	0.16 62 52 53 53 53 55 -	20882538588 84	0.18	- 189 - 189	ā	2.5 7.5 10 15 20 20 40 50 60 70 60 70 90 95	0.년 125 125 126 127 121 121 121 121 121 121 121 121 121	0.82 .03 .05 	0.20 .06 .08 04 05 11 12 13 14 20	0년 1년 1년 1년 1년 1년 1년 1년 1년 1년 1년 1년 1년 1년	इ.स.च्या १८६४ च्या १५५५ च्या १५५५ च्या १५५५ च्या १५५५ च्या १५५५ च्या १५५५ च्या १५५५ च्या १५५५ च्या १५५५ च्या
	0 2 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	48088148884588	\$	\$\$\$\$\$. \$\$\$\$\$\$\$\$\$\$	ଞ୍ଚିଷ୍ଟ ଅନନ୍ଧନ୍ତ୍ର 		3	2.5 57-5 10.150 30 0 50 0 60 50 50 50 50 50 50 50 50 50 50 50 50 50	**************************************	%	.85 .17 .05 .64 .04 15 16 06	\$\$!\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
9	0 15 15 25 25 25 25 25 25 25 25 25 25 25 25 25	기업(1768) - 1538왕 - 148년왕 기업(1768) - 1538왕 - 148년왕	58866 18388 (2566	.05 -1.98 -1.98 -1.96 -1	168558 : 18878 : 15 원 기 (e .	2.5 7.5 105 200 100 207 665 800 800 800 800 800 800 800 800 800 80	 1 1 1 1 1 1 1 1 1	. 15 - 15 - 15 - 15 - 15 - 15 - 15 - 15 -	영구 : 명명 : 6 성명명 : : 당명 :	8 इ.च. इ.च.	
פ	o 2 7 7 19 19 20 20 20 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	의료한대용 - 독교육의 1초등로 등 독교육의 기계 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등 등	58484 - 18384 - 12558 TARBARAS - 12658 T	1988年 19	6.8 18 18 18 18 18 18 18 18 18 18 18 18 18		D	2.5 5 7-10 10 10 10 10 10 10 10 10 10 10 10 10 1	स्थ्नथह्। है इहिन्द्रेश्वह हु इह	କ୍ଷ୍ୟୁନ୍ତ । ୧୯୯୮ ଜଣ୍ଟ	ନ୍ଧ୍ୟ ପ୍ରଥମ । ଜଣ୍ଡ ବିଷ୍ଟ୍ର ପ୍ରଥମ ଓ ସ	#4788 855548555	
I	0 2-5 7-5 15 227-5 35 20 7-5 35 20 7-5 36 20 7				विष्युत्त । । । । । । । । । । । । । । । । । ।	11	1	2-5 57-5 105 207-5 35 60 107-80 90 95	111111111111111111111111111111111111111			। । । । । ୧୯୮୮ ୧୯୮୮	
F	2.7 5 1.5 10 15 20 30 40 50 60 70 80 90	79 86 60 75 40 34 27 28 15 05	87 - 55 - 55 - 55 - 55 - 55 - 55 - 55 - 5	- 15 - 16 - 16 - 16 - 16 - 17 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		Ŧ	2.5 5.5 1.0 1.0 20 30 10 50 70 80 90	- 08 - 08 - 19 - 19 - 17 - 28 - 28 - 19 - 19	등등의 기 : 의 제 최 사용 :	0 04 05 07 1k 18 20 20 16	0 5 5 5 6 1 1 1 1 1 1 1 8 8 8 1 1 1 1 1 1 1 1 1	

TABLE 22.- PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{\mathbf{a}}=4^{\circ}$, $\alpha=-4^{\circ}$

			Upper	surface			П		L	ower surface			· 1
Sta-	Per-			her mapsi			Sta-	Fer-			Nach number		
tion	ohord	0.600	0.700	0.800	0.825	0.850	tion	chord	0.600	0.700	0.800	0.685	0.850
A	0 # 5 5 7 10 5 10 5 10 6 10 6 10 6 10 6 10 6 10 6	845548884411154	0.44 .89 .95 .55 .69 .69 .69 .69 .69 .69 .69 .69 .69 .69	0.28 .48 .03 .03 .03 .03 .03 .03 .03 .03 .03 .03	0.31 .22 .12 .08 .04 .01 .02 .04 .08 .09	0.32 .81 .10 .06 .09 04 07 10 12 	•	2.5 5.7 1.5 1.5 20 40 50 60 70 90 90	-0.00 -0.00	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-0.69 -0.77 -0.17 -0.17 -0.33	-0,64 -733 -143 -375 -395 -295 -295 -295 -295 -295 -295 -295 -2	- 63 - 63 - 63 - 64 - 64 - 64 - 64 - 64 - 64 - 64 - 64
•	0 2.5 7-5 105 20 30 50 50 60 50 60 80 90	12884 899444883	.19 .22 .10 .06 .08 .09 .12 .13 .13 .13 .05	#4965 693455868	.85 .14 .10 .10 .10 .10 .10 .10 .10 .10 .10 .10	.85 .22 .57 .57 .53 .73 .73 .73 .73 .73 .73 .73 .73 .73 .7		2.5 7.5 10.5 20.0 30.0 50.0 60.0 70.0 90.0	607514883101 o	11111111111111111111111111111111111111	96 PER COT 19 19 19 19 19 19 19 19 19 19 19 19 19	-1.00 -53 -53 -53 -53 -53 -53 -53 -53 -53 -53	1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00
C	0 2.5 7.5 25 20 20 20 20 20 20 20 20 20 20 20 20 20 2	99555 19754 18855	19 19 19 19 19 19 19 19 19 19 19 19 19 1	्राम्ने बबङ्द्धः । ५२ मुद्राम्म इत् । व्यक्ष्यः । भूक्षः । १९९४ । १९९४	100 100	4#968 19555 19568	C	2.7 7.3 105 200 200 200 200 200 200 200 200 200 2	- 73 - 73 - 73 - 73 - 73 - 73 - 73 - 73	987 557 3538 1 1 2 1 1 1 1 1 1 1	677 - 388 - 386 -	1 - 578 - 5583 - 1 - 666 -	1088 1088 1088 1088 1088 1088 1088 1088
0	0 2.7 7.5 1.5 25 20 20 20 27 60 77 60 77 60 90 90 90 90 90 90 90 90 90 90 90 90 90	\$ 1.25	. 100	**************************************	.80 .08 .08 .08 .09 .09 .09	. 용료의 6.8 8 4 5 5 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	2.5 5.5 10.15 10.20	-90 -95 -75 -73 -33 -33 -33 -34 -36 -36 -36 -36	TITE SECTIONS SECTION		158444 H&B730509	-1.00 -1.00
3	2.5 7.5 19 27.5 29.5 27.5 29.5 29.5 29.5 29.5 29.5 29.5 29.5 29						2	8.5 7.5 105 207.5 20.5 20.5 20.5 20.5 20.5 20.5 20.5 20					
7	0 2.5 5 7.5 10 15 20 30 40 60 70 80	- 15 - 09 - 11 - 15 - 12 - 20 - 23 - 24 - 22 - 18 - 18	~49 ~04 ~11 ~15 ~17 ~19 ~20 ~23 ~24 ~24 ~28 ~18	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7 7.7		7	8.7 7.5 10.15 20 30 40 50 60 70 80	~79 ~70 ~46 ~41 ~30 ~37 ~64 ~17 ~17	-, 86 -, 73 -, 46 -, 26 -, 30 -, 30 -, 27 -, 22 -, 25 -, 27 -, 27	ក្នុង ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្លួន ខ្		





TABLE 23.— PRESSURE COEFFICIENTS FOR $\Lambda \text{=45}^{\circ}\text{, }\delta_{\mathbf{a}}\text{=4}^{\circ}\text{, }\alpha\text{=0}^{\circ}$

			Urne	r surface						Lower su	rface		
Sta-	Per-	1		Mek met		··-		Por-	Ι		Mach maker		
tion	cent chard	0,600	0.700	0.800	0.825	0.850	Sta-	eent chard	0.600	0.700	0.800	0.825	0.850
A	0 2.5 7.5 10 25 20 30 40 50 60 70 80	0.13 -21 -23 -23 -23 -22 -22 -22 -20 		0.17 15 20 18 20 19 19 19 19 19 19			Ā	2.5 5 1.5 10 15 20 30 50 60 70 80 90 95	-0.16 19 20 20 30 30 32 22 22 23 19 21	-0.12 -1.17 -1.18 -1.18 -1.18 -20 -20 -20 -20 -1.17 -20 -1.17 -20	-0.12 -1.15 -1.17 -1.17 -1.18 -1.19 -2.20 -2.20 -2.17 -1.16 -1.19 -2.20	-0.12 -1.14 -1.16 -1.16 -1.17 -1.18 -1.19 -1.19 -1.19 -1.19 -1.19 -1.19 -1.19	6 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
В	2.5 7.5 105 200 200 200 200 200 200 200 200 200 2	25 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	.16 -24 -21 -22 -22 -22 -23 -25 -15 -15 -27	.47 -122 -28, 21 -28, 22 -29 -19 -11, 40, 50, 50, 50, 50, 50, 50, 50, 50, 50, 5	. 17 - 18 - 20 - 21 - 22 - 22 - 22 - 22 - 20 - 15 09	3	2.5 5 7.5 10 15 20 30 40 50 60 90 90	- 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	155 158 188 188 188 188 188 188 188 188		- 13 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	16 20 22 21 22 22 20 20 13 66
e	0.5 7.5 10.15 20.35 80.57 85.95	- 23 - 26 - 27 23 - 20 20 20 20 20 20 20	.14 -27 -28 -27 -28 -24 -23 -20 -20 -20 -00 -00	.46 -27 -28 -28 -21 -21 -20 -11 -15 -06	.47 -19 -23 -23 -2 -20 -19 -17 -17 -04 .02	.19 -23 -23 -23 -2 -21 -21 -21 -21 -21 -21 -21 -21 -21	c	2.5 7 - 10 10 10 10 10 10 10 10 10 10 10 10 10 1		- 사 	그 일 등 일 등 일 등 일 등 일 등 일 등 일 등 일 등 일 등 일	13 21 20 20 17 16 17 16	12 20 21 20 20 12 15 15 15 15 15
ע	5 5 7 5 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		0.50 年 2 年 2 年 2 年 2 年 2 年 2 年 2 年 2 年 2 年	0.47 - 20 20 20 20 20 20 20 20 20 20 20 20 20	- 1.18 -	0.00 11 11 12 12 13 14 14 14 14 14 14 14	D	2-5 5-5 10 132 30 30 30 50 766 756 850 850 95	-1.19 -1.19	171847 - 47197759888	735454 - 1414 - 1414 - 1651 -	12 16 18 19 12 15 11 12 08 13 09	-15 -18 -19 -20 -1k -17 -16 -17 -16 -17 -10 -20 -20 -20 -20 -20 -20 -20 -20 -20 -2
#	0 2.5 7.7 10 20 20 27 5 20 5 20 5 20 5 20 5 20 5 20 5 20 5 20	-24 -23 -24 -27 -04 -27 -27 -27 -27 -27 -27 -27 -27 -27 -27		-146 -146 -146 -146 -146 -146 -146 -146			*	2-5 57-5 19- 201-5					
ř	2.5 7.5 10 15 20 20 20 20 60 70	02 33 33 33 39 27 27 29 27	- 22 - 23 - 33 - 31 - 36 - 36 - 36 - 36 - 37 - 38	- 29 - 23 - 33 - 31 - 38 - 28 - 28 - 28 - 21 - 21 - 21 - 21			II.	2.5 7-5 10 15 20 30 50 60 70 80	-23 -30 -36 -36 -36 -34 -34 -34 -34 -31 	# # # # # # # # # # # # # # # # # # #	-23 -38 -21 -23 -23 -23 -23 -23		



TABLE 24.— PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{\mathbf{a}}=4^{\circ}$, $\alpha=4^{\circ}$

			Opp	er surface					Long	SU2 800			
Sta-	Per-	<u> </u>		Hach non.	er .		8te-	Per	1		Mack number		
\$1on	ohord	0.600	0.700	0.800	0.825	0.550	\$10m	oent. obord	0.600	0.700	0.800	0.825	0.850
A	2.5 7.5 10 10 20 40 50 60 70 60 95	07345494981 - 138	0.16 73 60 90 47 40 36 39 39 26 	0.88 909 909 939 -	0.26 98 57 56 37 39 39	0.22 69 48 46 38 37 33 30 	A	2-5 7-5 10 15 20 30 160 70 60 70 90 90	0.19 .09 .04 .01 03 10 12 13 13 12 12	0.80 .11 .06 .00 05 10 12 13 11	0.80 .11 .06 .08 01 05 10 12 13 11 14	0.22 .13 .06 .09 .09 .09 .09 .09 09 10 10 11 11	0.81 .12 .64 .01 09 07 09 11 13 25
3	2.5 7.5 10 15 20 30 40 50 60 70 80 90	199767 - 47349501000 - 7767 - 47349501000	06 96 79 55 48 38 43 43 43 43 43 43 43 43	- 28 - 28 - 28 - 29 - 29 - 29 - 29 - 29 - 29 - 29 - 29	689 - 899 - 1338 - 1338 - 136 - 136	89889 B 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	9.5 7.5 10 15 20 30 40 50 60 70 90 95	.sk .13 .05 .05 .01 .04 08 11 13 19 15 04	.25 .05 .05 .05 .05 .07 02 10 10 14 10 10 02		27 .16 .07 .03 0 05 08 12 09 12 09	.25 .14 .06 .07 .01 .09 .07 10 11 15 11
c	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 15 -1.04 -1.60 -1.61 -1.40 -1.33 -1.27 -1.10 -1.10 -1.00	09 -1.09 -1.09 -1.09 -1.09 -1.09 -1.39 -1.30 -	- 1.09 - 1.86 - 1.67 - 1.09 - 1.09 - 1.25 - 1.29 -	.07 -1.13 -1.01 70 67 40 34 29 24 29	108 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 7 8 5 7 8 7 8	a	2-7 57-5 10 10 10 10 10 10 10 10 10 10 10 10 10	.07 005 06 06 09 10	26 1.15 07 08 09 09 09	.31 .19 .10 .04 .05 .05 .07 .07	. 35 - 35 - 35 - 35 - 35 - 35 - 35 - 35	.38 .15 .07 0 07 09 09 09
В	0 2.5 7.5 10 15 20 10 27 66 75 85 90	22 -1.12 68 60 46 47 35 31 27 26 18 20 04	-1.21 -1.21	.01 -1.84 -1.03 62 55 43 25 25 21 10 10	.00 -1.24 -1.27 -1.79 -1.47 -1.33 -1.13 -1.13 -1.10 -0.07	1.05 1.12 1.12 1.12 1.12 1.12 1.12 1.13 1.13	•	2.9 5.5 19.15 19.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.20 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.00 10.0	29 .18 .10 0 06 07 07 07 07 08	.30 .15 .12 .07 0 03 05 05 05 09 .11	.32 .22 .16 .09 01 03 04 04 06 06		.29 .15 .17 0 - 956 5 66 - 966 - 966 - 966 - 966 - 966 - 966
В	2.5 7.5 10 15 20 27.5 35 70 60 60 85 95						*	2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5					
r	08.5 T.9.58 0.9.88 P.88 8	800 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	- 88 P. 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 3 4 5 3 5 3				7	2.5 79.5 150 300 200 200 200 200 200 200 200 200 20	0 05 7 5 6 7 7 7 7 8 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8	.01 05 07 07 15 17 19 19	- 65 - 68 - 19 - 19 - 19 - 19 - 17 - 17		

THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TW



TABLE 25.- PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{a}=6^{\circ}$, $\alpha=-4^{\circ}$

			Upper surfa				п —			Lover surfa					
***	Per-			Much number				Per-			Marie maribo	[
Sta- tion	eent chord	0.600	6.700	0.500	0.825	0.850	Sta- tion	Ptr- cent chart	0.600	0-700	0.500	0.825	0.850		
A	0 25 5-5 10 5 22 34 50 6 7 8 8 5	0.20 .17 .05 .00 08 12 15 	ଷ୍ଟ୍ରିଶ୍ ଅଷ୍ଟ୍ରମ୍ମ । । ନିମ୍ ଚ	N 회의등학 정당병원: 위취	୍ୟ ଅନ୍ତର୍ଶ ଖର୍ଗ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ ଜଣ	0.32 .23 .12 .06 .05 .01 02 07 09 07		2.5 7.5 10 15 20 40 50 70 80 95	-0.70 -570 -140 -374 -326 -326 -325 -325 -325 -325	-0.68 -59 -1.40 -1.35 -33 -33 -33 -33 -33 -33 -33 -33 -33 -	-0.68 -27 -45 -45 -36 -36 -31 -27 -20 -22 -38	-0.65 -0.54 -0.54 -0.55			
3	0 2 7 7 7 1 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	4888 157422225 11111112		क्ष् रवृष्ट्र । १९६५ म् मृद्		.28 .33 .09 .09 .00 .00 .00		2.5 57.5 15 25 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26	63 -67 -64 -64 -64 -64 -64 -64 -64 -64 -64 -64	1 00 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9589348484821 1666666621	269万分の本の表記を16日	568554833821 51 1 (
c	0 4 7 7 9 9 9 9 9 5 6 7 8 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	######################################	\$\$\$\$!!\$\$##!!#\$\$\$\$	क्रेन्ड्र । इंट्रेन्ट्र । इंट्रेन्ड्र । इंट्रेन्ड्र । इंट्रेन्ड्र । इंट्रेन्ड्र । इंट्रेन्ड्र । इंट्रेन्ड्र ।	\$ 9\$! 18881 ! \$ #### \$ \$ \$ #### \$ #### \$ ##### \$ ######	. 88 4 7 9 9 1 1 5 7 9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	c	2.5 5 7.5 30 30 30 50 766 750 50 50 50 50 50 50 50 50 50 50 50 50 5	87: 87: 1988 : 1 : 0 : 1	87 - 84 - 88 d - 1 - 88 d	がた。 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	46-158-1888-1-58-		
D	0 2.5 7.5 25 20 20 20 20 20 20 20 20 20 20 20 20 20	198488814141418148184	नवंशहर्ष्ट्र नितृत्तिमुख्य । स्ट	- 144 - 156 - 166 - 189 - 189	######################################	.88 .87 .98 .08 .08 .08 .08 .08 .13 .13 .11 .13 .13 .13 .13	D	2.5 7.5 10 25 30 50 50 50 50 50 50 50 50 50 50 50 50 50	884588-188884558855	ଜଣ୍ଟନ୍ତ । ଅଧ୍ୟଥ୍ୟ ଓ ଅଧିକ ଓ ଅଧିକ ।	1.69 -55 -55 -58 -19 -19 -19 -19 -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	150000 100000 1000000000000000000000000	-1.14 -1.02 -52 -32 -32 -32 -32 -32 -31 -10 -10 -11 -10 -11 -11 -11 -11 -11 -1		
x	0 2.5 7-5 10 15 20 5 70 70 60 70 70 65 95	।।।।।।।। १२५५ व्यक्ष ६ व्	11111111111111111111111111111111111111		69989444411111111		-	2.7 7.7 10 10 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20		11 12 13 13 13 13 13 13 13 13 13 13 13 13 13			 		
7	0 4.5 7.4 15 8 5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	१ ४२ इहम्भूष्टम् । इबक् । म	25957888 586 5	- 09 - 09 - 112 - 114 - 115 - 120 - 121 - 121 - 121 - 121 - 121 - 121	2	로 5 기 가 다 의 이 경 및 5 기 가 다 의 이 기 가 다 가 다 하 있다. 역 기 가 다 하 나 하 하 하 하 하 하 하 하 하 하 하 하 하 하 하 하 하	7	2-5 7-5 125 20 30 40 20 60 70 80 90	- 82 - 53 - 53 - 19 - 19 - 19 - 19 - 19 - 19	82841%5885111 fffffffil	-1.01	-1.05 -1.45 -1.45 -1.38 -1.38 -1.45 -1.45 -1.45 -1.45 -1.45	-1.02 -1.12 63 35 27 25 21 08 		



COMMITTION

TABLE 26.- PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_{\mathbf{a}}=6^{\circ}$, $\alpha=0^{\circ}$

			Upper mur	face			T 1			Lower surf	BC0		
Bts-	Per-	<u> </u>		Mach maber			Bts-	Per-	1		ach number		
tion	chord	0.600	0.700	0.800	0.625	6.850	tion	cent phord	0.600	0.700	0,800	0.825	0.850
A	2.5 7.7 10 12 30 40 60 60 60 60 60 60	0.1225242244 1.1225242244 1.1225242244 1.1225242244	0.45 17 20 80 19 19 19 18 	0.48 -146 -20 -116 -129 -129 -129 -139 -139 -139 -139	0.48 -14 -18 -18 -18 -18 -18 -18 -18 -18 -18 -19 -19 -19	0.48 ~19 ~18 ~17 ~18 ~18 ~18 ~19 ~19 ~19 ~19		2.5 7.5 1.0 2.5 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0	-0.15 -118 -119 -120 -20 -20 -21 -21 -21 -115 -21	-0.13 -116 -117 -117 -117 -119 -119 -119 -119 -119	-0.10 -1.13 -1.16 -1.16 -1.15 -1.18 -1.19 -1.16 -1.19 -1.16 -1.19	-0.10 -114 -115 -116 -116 -117 -119 -119 -116 -116 -118	-0.11 -13 -15 -16 -16 -19 -20 -90 16 -18 -123 -23
3	0 2.5 5 7.5 105 20 100 100 100 100 100 100 100 100 100	**************************************	.985 - 285 - 285 - 285 - 285 - 297 - 156 - 55 - 65	1.04 also - alabaration of first one of the state of the	- 46 - 24 - 24 - 24 - 24 - 24 - 24 - 24 - 24	19 19 19 19 19 19 19 19 19 19 19 19 19 1	•	2.7 7.5 10 10 30 40 60 80 90 90	- 19 - 19 - 19 - 19 - 19 - 19 - 19 - 19	- 12 - 12 - 12 - 12 - 12 - 12 - 12 - 12	1911	121 119 119 119 119 118 111 111 110 108	-12 -17 -19 -19 -19 -29 -20 -18 -19 -11 -13 -13 -04 -09
c	0 2 5 7 19 19 20 20 20 20 20 20 20 20 20 20 20 20 20	부유용합합 1 원칙적합 1 위촉통령 -	90205 1228 1848 1848	1	.490 - 231 - 231 - 231 - 230 - 241 -	. 199 - 304 - 304 - 305 - 105 - 106 - 106	c	2.5 7.5 10 10 20 30 30 30 30 30 30 30 30 30 30 30 30 30	-124 -20 -21 -21 -21 -18 -18 -17 	188188115111503	-14 -12 -12 -13 -13 -13 -13 -13 -13 -13 -13 -13 -13	128 -129 -139 -146 -145 -145 -145 -145 -145 -145 -145 -145	~ 18 ~ 18 ~ 19 ~ 19 ~ 18 ~ 17 ~ 13 ~ 13 ~ 13 ~ 13 ~ 13 ~ 13 ~ 13 ~ 13
מ	0 0 2 5 7 7 15 2 5 2 5 5 7 6 15 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	112222222222222222222222222222222222222			39 Namara 8 1 1 1 1 1 1 1 1 5 8		D.	2.7 7.5 10 10 10 10 10 10 10 10 10 10 10 10 10	13 145 120 141 145 145 145 145 145 145 145 145 145	11886 - 1184 - 1186 - 11866 - 8	128 128 118 117 127 127 128 128 128 128 128 128 128 128 128 128	12 -13 -13 -13 -13 -13 -13 -13 -13 -13 -13	~13 ~16 ~17 ~18 .12 ~19 ~19 ~10 ~10 ~10 ~10 ~10 ~10 ~10 ~10 ~10 ~10
·	0 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	111111111111111111111111111111111111111	200 de 100 ्रा । । । । । । । । । । । । । । । । । । ।	120 120 120 120 120 120 120 120 120 120	124 124 124 125 125 125 125 125 125 125 125 125 125	18	2.5 57.5 105 20.5 55.5 50.6 70.5 70.5 70.5 70.5 70.5 70.5 70.5 70.5	-14 -13 -12 -10 -04 -05 -06 -07		-14 -12 -12 -06 -03 .06 .09 .11	-16 -16 -16 -15 -12 -06 .01	-16 -16 -16 -17 -18 -06 -01 -07 -07	
7	20 2.5 7.5 7.5 25 20 20 20 20 20 20 20 20 20 20 20 20 20	\$ 0 22 23 24 28 25 25 25 25 25 25 25 25 25 25 25 25 25	133 133 133 133 133 133 133 133 133 133	88888881248 	- 38 - 38 - 38 - 38 - 38 - 38 - 38 - 38	-38 -38 -36 -37 -36 -32 -31 -28 -47 -47 -40	y	2.5 7.5 7.5 15 20 40 50 70 80 80 80 80 80 80 80 80 80 80 80 80 80	1623191719191911	-21 -21 -21 -22 -23 -23 -23	18 29 19 16 19 19 18 15 09	- 24 29 24 21 24 23 23 23 11 2	林田林田

COMPANIETAL

Table 27.- pressure coefficients for $\Lambda {=}45^{\circ},~\delta_{\rm g} {=}6^{\circ},~\alpha {=}4^{\circ}$

		_	Upper suri	face .						Lower surf	ace _		
Sta- tion	Fer-			thak mater			Sta-	Per- cent		ж	hch number		
tion	chord	0,600	0.700	0.800	0.825	0.850	time	chord	0.600	0.700	0.800	0.825	0.850
A	0 ** 1 * 1 * 2 * 2 * 2 * 2 * 2 * 2 * 2 *	524484848 48	기타당원(8 15 18 18 18 1 1 1 18 18 18 18 18 18 18 18 18 18 18 18	2012年2月2日 0-11年2月2日 1-11年2月2日 1-11年2月2日 1-11年2 1-11年2 1-11 1-11	ଞ୍ଚନ୍ଦ୍ର ଅଧିକଥିବା । । ଶ୍ର	8 F 6 8 F 2 8 8 8 8 1 1 1 8 8	A	2.5 5.5 10 15 20 20 40 70 60 70 80 90 95	0.19 .10 .05 .01 08 13 11 13 13 13	0.22 .03 .04 003 07 09 11 10 11 12	944 959 958 958 969 1488 1488 1488 1488 1488 1488 1488 148	4.1954.6488 - 858.7 6.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	6 년 왕 8 년 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
3	0 a n t 19 18 18 18 18 18 18 18 18 18 18 18 18 18	ମଞ୍ଚଳକ୍ଷ । ଦଞ୍ଚଳମଣ୍ଡ ମୁଞ୍ଚ (କୁ (। । । (() । । (88144 1788885888 (4) (1) (1) (1)	ଷ୍ଟ୍ରୟଞ୍ଜ । ଅନ୍ନୟଶନ୍ତ ତ୍ୟ	8888.1285887853	୍ଟେଣ୍ଟ୍ର ଅନ୍ତର୍ଜ୍ଞ । ଜୁନ୍ନାନ୍ନାନ୍ନ	3	**************************************	.23 .13 .06 .03 04 09 11 13 16 13 04	*#\$\$\$\$\$### 85	सम्माधन सर्व ५५५ मुख्य । ५%	ଷ୍ଟ୍ୟତ୍ତ୍ଷ୍ଟ୍ରକ୍ଟାଟ୍ଟ	ଷ୍ଟ୍ରଷ୍ଟ୍ରଷ୍ଟ୍ରଷ୍ଟ୍ରଷ୍ଟ୍ରଷ୍ଟ୍ରଷ୍ଟ୍ରଷ୍ଟ୍
· ·	0 3 5 7 9 5 8 9 9 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5	년 (1 1 1 1 1 1 1 1 1 1	58888 2553\$ 1558	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	541266 - 12888 - 18888	8.18648 - 1.23,388 - 1.88884	С	2.5 10.5 20.30 20.50 20.	.27 .13 .06 01 06 08 09 	.22 .13 .06 61 05 05 05 05 05	.30 .17 .08 .02 04 05 07	१५८ १५८ १५८ १५८ १५८ १५८ १५८ १५८ १५८ १५८	.95 .15 .06 0 05 - 05 - 06 - 06 - 07 - 08 09 - 09 - 09
מ	**************************************	स्नवंब्रह्मम् । अध्यक्षम् । हु हु	୧୫୮୫୪, ୮୪୭୫୧୯୭୧୯ ୧୯୯୮ ୧୭୮୮ ୧୯୮୮ ୧୯୮୮ ୧୯୮୮ ୧୯୮୮ ୧୯୮୮ ୧୯୮୮ ୧୯୮୮	중 :	हिन्युट्ट । 12888 । स्ट्रहर्स स्ट्रहर हिन्दूरी । 1771 । स्ट्रहर्स स्ट्रहर । हिन्दूरी । स्ट्रहर्स स्ट्रहर । स्ट्रहर्स	8888885 588855 86	D	2.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19	.28 .17 .106 0 03 07 07 08 08 09 09 09	왕됨 	지다. 60 (65 65 8 6 5 8 6 5 8 6 5 8 6 5 8 6 5 8 6 5 8 8 5 8 8 5 8 8 5 8 8 5 8 8 8 8	89 13 16 16 16 16 16 16 16 16 16 16 16 16 16	99.9.8 8.56 6.56 - 6.56 -
I	0 45 7 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1111111189777	8 - 488 - 483 - 488		।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।।		1	2.7 57.5 152 ND NG PD 859 N		୍ । । । । ସୁଷ୍ଟ ଓଡ଼ିଆ ସୁଧି ଓଡ଼ିଆ ସୁ ଓଡ଼ିଆ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ ସୁ	11111158888888888888888888888888888888	88668988911111	
7	0 2.5 7.5 1930 304 206 206 206 206 206 206 206 206 206 206	\$\$\$\$\$\$\$\$!\$\$ \$\$\$\$\$\$\$\$!\$\$		हिन्द्रहरू है के ब्रह्म है । में जिल्ला के किया है के किया है के किया है किया है किया है किया है किया है किया है किया है किया है किया है किया है	निन्।।।।।।।।।	(44) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	y	**************************************	.03 02 02 05 15 14 16 12	6 6 6 5 9 4 7 8 9 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	886558317557111	8868888888	03 07 09 10 14 11 20 23 22 17





table 28.- pressure coefficients for $\Lambda\text{=}45^{\circ}\text{, }\delta_{\text{g}}\text{=}10^{\circ}\text{, }\alpha\text{=}4^{\circ}$

<u> </u>	1 900		Upper surfa	.ce						Lover surfa			
Sta- tion	Per- ceat chord	0.600	0.700	0.800	0.885	0.850	Sta-	Per-	1		Mark rende	T	
۸	2.5 5 7.5 10 15 80 90 90 90 90	0.92 .17 .06 .02 01 06 07 10 13 14 	0.25 .19 .08 .03 .03 .03 .09 09 11 12 	0.89 0.89 0.07 0.03 0.03 0.03 0.04 0.09 0.10 0.09	0.89 -87 -128 -08 -09 -09 -09 -19 -19	0.490 0.32 .11 .07 .04 01 06 06 10 		2.5 7.5 10 20 30 30 40 70 80 90 90 90	0.600 -0.69 -1.26 -1.49 -1.45 -36 -33 -30 -86 -20 -20 -22 -22	0.700 -0.66 27 27 29 36 39	9.800 -0.89 -35 -35 -35 -35 -35 -36 -35 -36 -36 -36 -36 -36 -36 -36 -36 -36 -36	9.569 -0.68 -7.79 -3.59 -3.39 -3.31	0.890 -0.69 59 47 38 35 33 06 90 20 20
	0 5 7 7 15 8 30 4 50 60 7 80 9 5 5	.23 .08 .04 007 14 15 15 15 15 0	.19 .20 .06 .06 -1.09 -1.14 -1.15 -1.15 -1.09 03	.23 .28 .10 .07 .03 09 12 14 14 09	.# .29.05 - 05.05 - 05.05 - 05.05 - 05.05	.89 .23 .12 .08 .05 .07 07 10 12 12 12		2.5 5.7.5 10 15 20 30 40 50 60 10 60 90 95	82 66 58 59 40 36 36 32 21 11	-83 -67 -59 -53 -45 -36 -31 -27 -45 -45 -45 -45 -45 -45	-93 -70 56 56 47 42 37 32 27 24 16	-1.00 68 59 53 35 35 34 21 21	-1.01 66 61 77 31 31 39 31 29 13 06
c	0.5 7.5 7.5 25 25 25 25 25 25 25 25 25 25 25 25 25	.12 .19 .07 .03 02 12 13 14 14 14 14	.15 .22 .06 .01 	.82 .87 .05 .06 .04 07 18 12 12 12 12 12		.21 .23 .08 .08 .03 .09 12 14 14 15 15	c	2.5 7-5 105 180 340 507 666 780 890 99	85 74 53 43 26 23 20	-897- -554- -388- -389- -399-	-92 -17 - 76 -44 - 27 - 27 - 21 - 17 - 17 - 17 - 10 - 06	- 95 - 71 75 - 46 - 27 - 27 - 27 - 20 - 16 	-1.07 -7.79 -7.59 -36 -30 -86 -19 -19 -19 -10 -10 -10
D	0 45 5 7 19 19 29 28 78 78 78 88 88 88	.11 .97 .88 .88 .14 .14 .15 .15 .16 .16 .16 .16 .16 .16 .16 .16 .16 .16	.13 .83 .11 .06 .02 05 06 17 18 23 22 24 23	.80 .08 .08 .08 .08 .04 .125 .125 .126 .127 .129 .14	8 12 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	.00 .07 .07 .07 .05 .07 .17 .18 .17 .21 .21 .21	D	2.5 7-5 10.5 20.0 20.0 20.0 20.0 20.0 20.0 20.0 2	- 68 - 69 - 50 - 28 - 30 - 27 - 20 - 21 - 20 - 21 - 20 - 20 - 30 - 20 - 20 - 20 - 20 - 20 - 20 - 20 - 2	5557528 - 385246 9 - 19558 - 19558	-1.16 65 58 52 87 30 94 18 15 .07 .09	-1.15 68 53 50 86 26 23 17 13 06 .03 .18 .11	-1.10 -1.04 -1.67 -57 -90 -33 -33 -33 -36 -106 -01 -90 -07
я	0 2 5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -	115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 115000 115000 115000 115000 115000 115000 115000 115000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 11500000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 1150000 11500000 11500000 1150000 1150000 1150000 1150000 11500000 11500000 11500000 11500000 115000000 11500000 115000000 115000000 11500000000	111111111111111111111111111111111111111		11111111111111111111111111111111111111	11111111111111111111111111111111111111	2	2-5 7-5 105 105 105 105 105 105 105 105 105 10					
7	0 2.5 7 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5	영화보기도요요요 : 왕조립 : 5	1464457988 888 888 8	-39 07 10 114 16 18 17 12 12			¥	2.5 5.5 10 15 20 30 40 50 60 60 90	78 64 53 53 53 53 53 53 53 53 53 53 53 53 53	- 66 - 146 - 140 - 337 - 34 - 129 - 12	69 36 36 36 26 21 17 18	- 90 - 140 - 140 - 120 -	-,99 -1.03 -,53 -,31 -,25 -,26 -,13 -,05 -,13

-GOND TOWNS AT

TATELLE THE TATE

TABLE 29.— PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_a=10^{\circ}$, $\alpha=0^{\circ}$

			Opper surfac						Ţ.en	mr surface			
Ste-	Nr-			ack mader			Sta-	Per-	Ţ		ach muter		
tion	Per- cent chord	0.600	0.700	0.800	0.825	0.850	tion	Pey- cent chord	0.600	0.700	0.800	0.825	0.850
A	0 45 7 45 88 98 98 98 98 98 98 98 98 98 98 98 98	0 (84.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	0.48 -14 -12 -18 -18 -19 -19 -19 -19 -19 -19		A	2-5 5-7 30 30 30 30 50 60 70 80 90	-0.14 -1.15 -1.20	-0.66 -0.74	-0.11 -15 -16 -17 -18 -19 -29 -19 -117 -23	0.09 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.1	-0.06 11 12 13 14 15 17 17 17 14 14 18
В	0 2 5 7 7 15 15 15 15 15 15 15 15 15 15 15 15 15	보임되었다. 원속속입력됩기원 [[] [] [] []	ନ୍ଷ୍ୟଞ୍ଜ ୪ ନ୍ନନ୍ ୟୁକ୍ତ	**************************************	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	보기타기와 : 요작무의자의 6 연역 [3	2.5 57-5 10 20 30 30 70 70 90 95		8478777985878771168	-13 -18 -20 -20 -20 -20 -20 -20 -20 -19 -19 -13 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	995 144 144 144 144 144 144 148 148 148 148	09 14 16 16 17 17 17 09 09
c	0 2 5 7 5 7 9 15 8 90 90 76 75 8 99 95	보임교육당 : 원병병임리 등학 (우리 원왕 1) 원생생병 : 1 원 경구 등	1)		15	11111111111111111111111111111111111111	v	257959999787899999	13 20 20 20 19 17 16 14	기위 대원 유의의 카 1 독특 (-12 -19 -20 -83 -19 -17 -114 -12 -1 -12 -13 .06	097 -118 -115 -115 -115 -115 -115 -115 -116 -116	13 -20 -22 -20 -18 -16 -13 -14 -19 -14
ע	0 2 5 5 5 7 1 1 5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	. 42 - 38 - 31 - 30 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 36	용 3 등 5 등 5 등 5 등 5 등 5 등 5 등 5 등 5 등 5 등	. 1.6 - 27 ft ft ft ft ft ft ft ft ft ft ft ft ft	. A7 - 26 - 26 - 27 - 27 - 27 - 27 - 27 - 2	29 1 5 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		2.7 5 7.5 10 20 20 20 20 20 20 20 20 20 20 20 20 20	-12 -15 -16 -18 -15 -15 -15 -15 -11 -12 -11 -06 -01 -09 -07	13 16 20 16 17 14 13 08 0	-11 -15 -16 -18 -19 -11 -11 -11 -10 -05 -05 -06	-10 -115 -117 -117 -118 -118 -118 -119 04 04 05	- 13 - 16 - 17 - 16 - 15 - 12 - 19 - 19
3	0 2.5 7.5 1.5 2.7 1.5 2.7 3.5 80 7.7 80 80 7.7 80 80 80 80 80 80 80 80 80 80 80 80 80							2.5 5.7 10 20 20 21 20 20 20 20 20 20 20 20 20 20 20 20 20					
,	0 0 5 7 7 12 5 22 22 22 22 22 22 22 22 22 22 22 22	- 0A - 34 - 35 - 35 - 37 - 38 - 38 - 38 - 38 - 38 - 38 - 38 - 38			06 35 44 36 33 31 37 21 37 21 09	- 04 - 37 - 37 - 37 - 37 - 37 - 37 - 37 - 37	7	2.5 7.5 10 10 20 30 40 20 60 70 80	-19 -19 -19 -19 -19 -19 -19 -19 -19 -19	15 25 19 20 20 20 15 12 	21 25 22 23 23 23 23 23 23 23	97 92 93 93 94 93 13 13	21 26 20 19 21 22 22 18 11





TABLE 30.- PRESSURE COEFFICIENTS FOR $\Lambda=45^{\circ}$, $\delta_a=10^{\circ}$, $\alpha=4^{\circ}$

			Upper surfe	çe] [Lou	er surface			1
Sta- tion	Per-			Mack need	er .		Ste-	Por-			Mack number		
<u> </u>	cent chord	0.600	0.700	0.800	0.825	0.850	tion	oens chord	0.600	0.700	0.800	0.825	0.800
٨	0 2.5 7.5 25 20 30 50 60 60 60 60 60 60 60 60 60 60 60 60 60	0.06 -79 -75 -75 -39 -33 -32 	0.14 		0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.23 -687 -145 -135 -139 -139 -129	A	2-5 5 7-5 10 15 25 30 10 70 60 70 90 95	0.60 .06 .08 04 05 11 13 12 12 12	0.81.10 0.88 6 4 89 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.04 -150.06 -03 -045.06 -007.00 -109.14	0.55 .05 .05 .05 .01 .06 .05 .05 .06 .06 .09 09	0.23 .09 .06 .03 .04 .08 .08 .08 .08 .08 .08
•	0 2.5 7.5 10 20 20 20 20 20 20 20 20 20 20 20 20 20	297385 137392 20 04	146888.888881 8	ଞ୍ଚଳପ୍ଧ : ଅନ୍ୟକ୍ଷସମ୍ବର୍ତ୍ତ	\$\$\$\$#\$\$#\$\$\$\$\$\$\$\$\$\$\$.08 -1.06 -1.66 -7.7 -1.58 -2.27 -1.55 -1.05 -0.09	5	2.7 7.5 10 15 20 30 40 60 70 90 90	.85 .09 .05 .08 -78 -712 -72 -76 .08	. 17. . 08. . 08. . 08. . 17. . 17. . 18. . 18.	.29 .18 .09 .09 .00 -,04 -,06 -,08 -,11 -,07 -,09	.28 .17 .11 .03 .03 .05 05 06 09 12	. 171 . 171
c	0 2.5 7-5 105 200 200 200 200 200 200 200 200 200 2	-17 -1.67 66 66 36 36 32 12 12	1148 148 148 148 148 148 148 148 148 148	.04 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	.09 -1.95 -63 -1.55 -1.5	.106 -1.06 -1.09 -1.69 -1.37 -24 -24 -24 -1.26 -1.26 -1.26 -1.26	C	2.5 5.7.7 10 15 20 30 30 30 30 30 66 77 66 77 66 77 66 79 90	.28 .17 .07 .08 05 06 06	.97 .05 0 05 07 07 07 07 07	.97; -88; -85555; 1,285	.31 .49 .4 .54 .7 .69 .69 .69 .7 .7 .42 .68	.31 .19 .04 .01 .03 .03 .03 .03 .03
D.	9.5 7.5 10.5 80 80 80 80 80 80 80 80 80 80 80 80 80		- 21 - 1.57 - 768 - 753 41 - 753 41 - 753 - 755 - 75	03392898 - 2388888 - 23	- 188 - 188 - 188 - 188 - 186 - 186 - 187 - 187	.04 -1.20 -1.18 -1.01 -4.7 -36 -36 -39 -27 -25 -16 -21	ď	2.5 5.5 10 10 20 30 30 30 30 50 66 75 66 75 60 50	.31 .20 .08 .08 .09 .09 .04 .04 .04 .04 .02	- 25 - 15 - 15 - 15 - 15 - 15 - 15 - 15 - 1	99 - 14 - 15 - 15 - 15 - 15 - 15 - 15 - 15	333545 - 8 55858585	.32 .21 .11 .99 .00 .00 .00 .00 .00 .00 .00 .00 .00
×	0 25 75 15 25 25 25 25 25 25 25 25 25 25 25 25 25	11111111111111111111111111111111111111	100 100 100 100 100 100 100 100 100 100	11111111111111111111111111111111111111			3	2.5 5.5 10.5 20.25		ା । । । ଓଡ଼ିଆ ଅନ୍ତ			विष्युक्त हैं सम्बद्ध
Ţ	2.5 7.5 105 105 105 105 105 105 105 105 105 10	2	58885328:893:5	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	129958888 845 9	-72 -1.15 -1.17 -1.12 -1.46 -1.34 -1.25 -1	7	2.5 7.4 15 20 20 20 20 20 20 20 20 20 20 20 20 20	88814522511	8 8 8 5 1 7 1 7 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1	68 69 712 722 722 722 722 722 722 722 722 722	-03 -04 -04 -05 -10 -115 -125 -125 -12	0 04 05 07 14 17 29 19

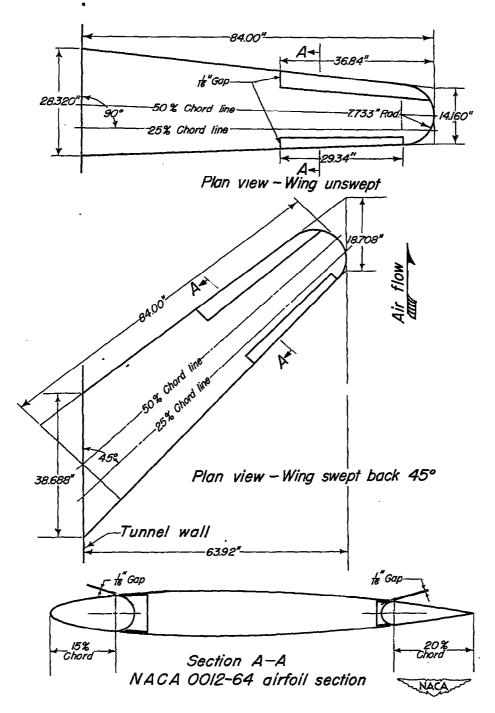


Figure I. - Geometry of the model.

E

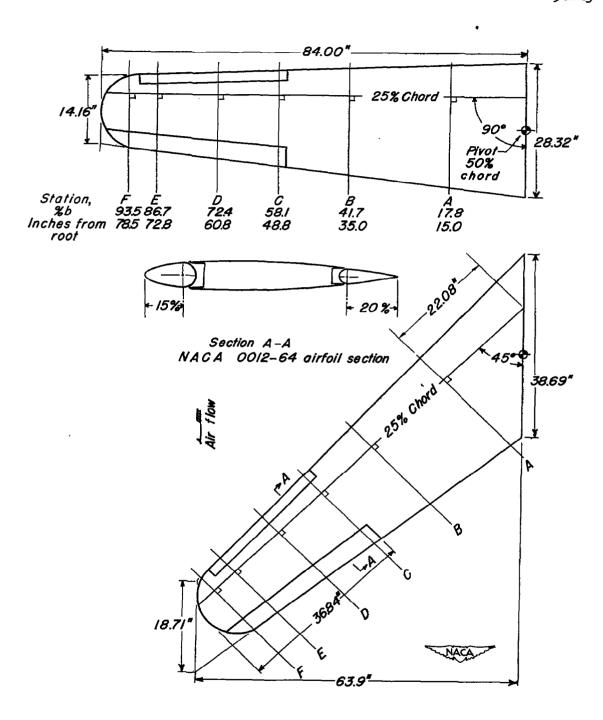


Figure 2.- Location of pressure-orifice stations.